Subject Index—Volume 45

No. 1, January 1, pp. 1-208

No. 2, January 15, pp. 209-416

No. 3, February 1, pp. 417-624

No. 4, February 15, pp. 625-832

No. 5, March 1, pp. 833-1040 March 15, Suppl., pp. 1041-1272

No. 6, March 15, pp. 1273-1526

No. 7, April 1, pp. 1527–1734 April 15, Suppl., pp. 1735–1992

No. 8, April 15, pp. 1993-2230

No. 9, May 1, pp. 2231-2438

No. 10, May 15, pp. 2439-2706

No. 11, June 1, pp. 2707-2912

No. 12, June 15, 2913-3150

A

 α_1 -Acid glycoprotein levels, in cancer patients, 3050 Acid phosphatase levels, in cancers with bone metastasis, 2400

Acinic cells

carcinoma in ectopic salivary gland tissue, 967 focal dysplasia in pancreas, 534

Acromegaly, pituitary adenomas with, 1598

ACTH levels, in small cell carcinoma of lung, 1432

Actinomycin D. See Dactinomycin

Adenoacanthoma, endometrial, and polymorph phagocytosis by cancer cells, 2348

Adenocarcinoma. See anatomic sites of tumors

Adenoid cystic carcinoma

of esophagus, 1516

of submaxillary gland, 2872

Adenoma

intestinal, and cancer development, 1637 pituitary, with acromegaly, 1598

of salivary gland, myoepithelial cell line from, 297

Adenomatosis

colonic

age distribution of colon cancer in, 198 prevention with intrarectal 5-FU, 439

SV40 transformation of cells in, 1108

hepatocellular, 1001

Adjunct and multimodality therapy

in bladder cancer, 1866

in breast cancer, inflammatory, 625

in endometrial adenocarcinoma, 715

in esophageal cancer, 703, 2265

in head and neck cancer, 1527

and Hodgkin's disease prognosis, 1352

hyperthermia with radiation, 638, 2707

in lung cancer, 30

in lymphomas

in childhood, 630

laparotomy-staged, 249

in medulloblastoma, 666

in melanoma, 245

in ovarian carcinoma, 2754

and reconstructive breast surgery, 2738

in retinoblastoma, 851

in retroperitoneal rhabdomyosarcoma, 845

in testicular cancer, 1775, 1782

in thyroid carcinoma, anaplastic, 1689

in uterine cervical carcinoma, 720, 2759

Adrenal gland

bilateral neuroblastoma of, 2208

cortical carcinoma, 1957, 2880

glycogen-containing tumors of medulla, 553

ligandin in, 505

Adrenalectomy, in prostate cancer, 1929

Adriamycin

in bladder cancer, 1879

with bleomycin, in esophageal cancer, 2265

with bleomycin, vinblastine and DTIC, and pituitarygonadal function, 2030

with cyclophosphamide, in prostatic cancer, 1300

with cyclophosphamide, methotrexate and folinic acid rescue, in lung cancer, 1

with cyclophosphamide and vincristine, in small-cell carcinoma of esophagus, 1558

with cyclophosphamide, vincristine and BCG, in breast cancer, 742

with cyclophosphamide, vincristine, BCNU, methotrexate and procarbazine, in small-cell carcinoma of lung, 417 with cyclophosphamide, vincristine and dactinomycin, in retroperitoneal rhabdomyosarcoma, 845

with cyclophosphamide, vincristine and prednisone

in childhood lymphomas, 630

in nodular mixed lymphomas, 262 and pituitary-gonadal function, 2030

distribution in cancer patients, 2231

in neuroblastoma, and kinetic perturbations in marrow, 882

in prostatic carcinoma in rat, 757 and wound breaking strength, 2811 and wound healing in rat, 2805

Agar colony formation, in colon cancer, 1238

Age, and colon cancer in adenomatosis coli, 198

Albumin levels, in cancer patients, 3050

Alkaline phosphatase activity, in lymphomas, 1451

Alkeran. See Melphalan

Alpha cell tumors of pancreas, 2675

Alpha fetoprotein. See \alpha-Fetoprotein

Ameloblastoma, ultrastructure of, 2858 Aminoglutethimide, in breast cancer, and estrogen receptor

status, 786 Aminotransferase in serum, in lymphomas, 1451

Amphotericin B, with BCNU, in lung cancer, 6

Amygdalin, toxicity of, 799 Androgen receptors in bone tumors, 3004

in colon cancer, 1085

Androgen therapy, with chemotherapy, and long-term survival in AML, 1540

Anemia

microangiopathic hemolytic, after chemotherapy in epidermoid carcinoma, 2252

myelophthisic, in liposarcoma metastatic to bone marrow,

sideroblastic, with acquired hemoglobin H disease, 78 Angiomatoid neuroblastoma, cytoplasmic glycogen in, 553

Antiandrogen therapy, ir pass tate cancer, 1929

Antidiuretic hormone. See visopressin

Antigenic alterations, in epidermal tumors, 2284

Antilymphocyte antiserum, and malignancy incidence, 2096 Antipyrine metabolism, in cancer patients, 541

in lung cancer, 1438

α₁-Antitrypsin

deposits in sarcoma of liver, 3108

in hepatoma tissue, 1424

serum levels in cancer patients, 3050

APUD cells

carcinoembryonic antigen in C-cell of normal thyroid, 98 peptide production in tumors, 498

AraC. See Cytosine arabinoside

Arterial infusions. See Chemotherapy, intra-arterial

Asbestos ingestion, affecting colon, 1073 Ascites

and histaminase activity in fluid in ovarian carcinoma, 2568 malignant, peritoneo-venous shunt in, 1019

L-Asparaginase with vincristine, daunomycin and prednisone in ALL, 3090

Aspiration cytology

in breast dysplasia, 2878

in Hodgkin's disease, 1653

in thyroid neoplasia, 340

Astrocytoma

extraneural metastasis of, 112

5'-nucleotide phosphodiesterase isozyme in, 797

Ataxia-telangiectasia

and acute lymphoblastic leukemia, 1675

and familial retinoblastoma, 775

Azathioprine, and malignancy incidence, 2096

BCG immunotherapy

with chemotherapy in breast cancer, 742

in leukemia, and immune complexes in children, 460 methanol extraction residue in, pulmonary abnormalities

from, 1340

BCNU

with amphotericin B, in lung cancer, 6

with bone marrow infusions, in adult solid tumors, 3075

with cyclophosphamide, adriamycin, vincristine, methotrexate and procarbazine, in small cell carcinoma of lung, 417

with cyclophosphamide, vincristine and prednisone, in nodular mixed lymphomas, 262

with prednisone, in nodular mixed lymphomas, 262

pulmonary fibrosis from, 1311

with vincristine, dexamethasone and methotrexate, plus radiotherapy in medulloblastoma, 666

Biliary tract

carcinoma arising in choledochocele, 195

cholecystectomy related to colon cancer, 392 intraoperative radiotherapy in cancer of, 40

Biology of cancer, new dimensions in, 2975

Biopsy

fine-needle aspiration, 1480

of liver, in cutaneous T-cell lymphomas, 1683

lymph node, with lymphography in prostatic carcinoma,

Bladder cancer

classification and staging of, 1821

clinical trial of VP-16 in, 232

diagnosis by flow cytometry, 2389

in situ carcinoma, 1842

intra-arterial platinum in, 1280

invasive, high-grade, 1866

metastatic, chemotherapy in, 1879

neocarzinostatin in, 1883, 2836

5'-nucleotide phosphodiesterase isozyme in, 797

pathology of, 1823

predictors in, 1849

radiotherapy in

intraoperative, 40

in T3 disease, 1875

rhabdomyosarcoma in children, 1810

superficial, management of, 1856

survival rates in, 1039

thio-tepa affecting, 870

Bleomycin

with adriamycin, in esophageal cancer, 2265

with adriamycin, vinblastine and DTIC, and pituitarygonadal function, 2030

in bladder cancer, 1883

carotid artery infusions of, 2258

with cyclophosphamide, vincristine and prednisone, in nodular mixed lymphomas, 262

fulminant hyperpyrexia from, 2249

with methotrexate, vinblastine and CCNU, in head and neck tumors, 2038

in penile cancer, 1973

with vinblastine and platinum

in extragonadal germ cell tumors, 2543

in head and neck cancer, 2830

with vincristine and platinum, in head and neck tumors, 217

Blindness, cortical, from platinum therapy, 764

Blood group isoantigens, expression in breast lesions, 2149 Bone

chondrosarcoma of, 582 radiotherapy in, 2769

disease in lymphomas, biochemical tests for, 1451

and fluoride therapy in multiple myeloma, 1669 metastases to

and acid phosphatase levels, 2400

in breast cancer, nonoperative management of, 1533

in hand, from lung cancer, 824

myxoma in primates, 2573

sarcoma of. See Osteosarcoma scanning in breast cancer, 1562

steroid receptors in malignant tumors of, 3004

Bone marrow

drug-induced kinetic perturbations in neuroblastoma, 882

liposarcoma metastatic to, 345

transplantation of

with chemotherapy in adult solid tumors, 3075

in T-cell ALL, 2006

Brain

CT scans in children with ALL, 2271

metastasis to

from melanoma, 679

in sarcoma patients, 377

surgery in, 381

tumors of. See Intracranial tumors

Breast cancer

and aspiration cytology, 2878

bone scans in, 1562

and cell-mediated immune response to T antigen, 2949

chemotherapy and immunotherapy in, 742

clinical trial of VP-16 in, 232

estrogen receptors in. See Estrogen receptors

estrogen therapy as risk in, 3027

growth rate of, 2198

human tumors in nude mice, 2160

immune impairment in, 2061

inflammatory, radiation in, 625

radical, 2730

lobular, infiltrating, 979

and loss of AB isoantigens, 2149

malignant effusions in, 1609

mammographic parenchymal patterns in, 2550

metastases of

to bone, nonoperative management of, 1533

choroidal, chemotherapy in, 1538

to liver, intra-arterial platinum in, 1278

national survey of, 2917

non-palpable, multicentricity of, 2913

5'-nucleotide phosphodiesterase isozyme in, 797

parity as prognostic factor in, 191

peptichemio in, 2524

pregnancy-specific β_1 -glycoprotein in, 102

prognosis by immune criteria, 2074

pseudolymphoma of, 973

and pulmonary toxicity of mitomycin, 236

radiation in, sarcoma of chest from, 1419

and reconstructive surgery after therapeutic procedures,

secretory carcinoma, 2404

and second cancers after thio-tepa, 2042

tamoxifen in, 735, 2992

compared to hypophysectomy, 1322

tomography in, 51

Bronchial epithelial papillary tumors, 1486

Bronchogenic carcinoma. See Lung cancer

Bronchoscopy, in lung cancer, 1693

Burkitt's lymphoma

leukemic presentation of, 2884

prognostic factors in, 1507

Butyrate sodium, affecting colon cancer cells, 1185

0

C-cell of normal thyroid, carcinoembryonic antigen in, 98 Calcitonin

in pheochromocytoma tissue, 498

serum levels in small cell carcinoma of lung, 1432

Calcium carbonate, in multiple myeloma, 1669

Candidiasis, and vertebral osteomyelitis in AML, 1025

Carcinoembryonic antigen

in C-cell of normal thyroid, 98

correlation with C1_q binding activity in lung cancer, 130

in gynecologic malignancies, 948

radioimmunodetection in colorectal cancer, 1243

in thyroid cancer, 2607

Carcinoid tumors

estrogen receptor protein in, 293

intestinal, amine production by, 104

intra-arterial platinum in, 1280

Carcinoma. See anatomic sites of tumors

Carotid artery infusions, drug regimens in, 2258

CCNU

with bleomycin, methotrexate and vinblastine, in head and neck tumors, 2038

with 5 fluorourseil in h

with 5-fluorouracil, in hepatic metastases from colorectal cancer, 2245

with 5-fluorouracil and cyclophosphamide, in colorectal carcinoma, 662

with 5-fluorouracil, vincristine and streptozotocin, in colorectal cancer, 876

in glioblastoma multiforme, 1289

in prostate cancer, 1937

Cell lines

in leukemia, 2324

liposarcoma, producing hyaluronic acid, 1400

in undifferentiated malignancies, 2311

Central nervous system. See also Brain; Intracranial tumors leukemia recurrence in, 16

in lymphomas, 545

high-dose methotrexate in, 1556

prophylaxis of

in leukemia, and CT brain scans in children, 2274

in lymphomas of childhood, 630

with methotrexate and chemoimmunotherapy in AML,

in small cell carcinoma of lung, 30

toxoplasmosis of, with Hodgkin's disease, 808

Cervix uteri cancer

biochemical markers in, 948

clear-cell adenocarcinoma, 1615

intra-arterial platinum in, 1280 microinvasive, 928 5'-nucleotide phosphodiesterase isozyme in, 797 radiation in, 2759 radiation and surgery in, 720, 2759 Chemoimmunotherapy in acute myelocytic leukemia, 280 in breast cancer, 742 and cell-mediated immunity, 476 in disseminated melanoma, 2506 Chemotherapy. See also specific therapeutic agents adjunctive use of. See Adjunct and multimodality therapy with androgen therapy, and long-term survival in AML, 1540 in bladder cancer, 1879 with bone marrow infusions, in adult solid tumors, 3075 in breast cancer, 735 and analysis of estrogen receptors. See Estrogen receptors and bone scanning, 1562 in childhood urologic cancer, sequelae of, 1815 in choroidal metastases, 1538 in colorectal cancer, 662, 876 in esophageal small-cell carcinoma, 1558 in germ cell tumors, extragonadal, 2543 in head and neck cancer, 217, 2038, 2830 with immunotherapy. See Chemoimmunotherapy intra-arterial adriamycin in, 2231 carotid artery infusions, 2258 DTIC in melanoma, 245 in hepatic carcinoma, 866 in hepatic metastases from colorectal cancer, 2245 implantable infusion pump in, 866 nitrogen mustard in pelvic pain, 432 with radiation and surgery, in head and neck cancer, 1527 in regionally confined malignancies, 1278 intravesical, in bladder cancer, 870, 1856 LSA2-L2 protocol in intra-abdominal lymphomas in childhood, 3034 in leukemia acute lymphocytic, 1284 acute myeloid, timed-sequential regimen of, 859 acute non-lymphocytic, 224 long-term, and ANLL development, 1315 in lung cancer, 1, 417 in neuroblastoma, 1799 in nodular mixed lymphomas, 261 nutrition affecting responses to, 3069 in ovarian cancer, 2529 in penile cancer, 1973 pituitary-gonadal function after, 2030 in prostatic cancer, 1300, 1937 trials with thymidine, 1117, 1135 Children brain stem gliomas, 2787

cranial fasciitis, 401 fever and neutropenia in cancer patients, 407 hepatoblastoma, 315 histiocytosis, malignant, 2821 Hodgkin's disease, 1443 immunoglobulin levels in, 2084 influenza immunization in cancer patients, 750 leukemia CT brain scans in AML, 2274

immune complexes in, 460 testicular relapse in ALL, 2009 lymphomas combined modality therapy in, 630 cutaneous nodular, in infancy, 603 intra-abdominal, prognosis of, 3034 metastatectomy without chemotherapy in osteosarcoma, myelography in medulloblastoma, 2194 nephroma, congenital mesoblastic, 306 neuroblastoma. See Neuroblastoma ossifying tumor of infantile kidney, 609 ovarian cystadenocarcinoma, 2227 rhabdomyosarcoma genitourinary, radiation in, 3065 pelvic, 1810 retroperitoneal, 845 testicular cancer, 1803 therapy-related sequelae in urologic cancer, 1815 Wilms' tumor, 1791 Chlorambucil, conjugated, in myelosarcomas, 1326 Cholecystectomy, and colon cancer, 392 Choledochocele, carcinoma arising in, 195 Chondrosarcoma, 149 diagnosis and grading of, 582 radiotherapy in, 2769 steroid receptors in, 3004 Chordoid sarcoma, synovial origin of, 520 Choriocarcinoma, methotrexate in, with citrovorum factor rescue, 423 Chorionic gonadotropin ectopic production by neoplasms, 2583 serum levels in gynecologic malignancies, 948 in testicular cancer, 1755 urinary, in small cell carcinoma of lung, 1432 Choroidal metastases, chemotherapy in, 1538 Chromosomes myeloproliferative disorder in D/D translocation carrier, 327 missing Y in acute non-lymphocytic leukemia, 84 translocation 8/21 in acute myelo-monoblastic leukemia, 285 and tumor evolution, 2492 Cigarette smoking and antipyrine metabolism, 1438 and sputum cytology in uranium workers, 1273 Citrovorum factor rescue, with methotrexate, in gestational trophoblastic neoplasms, 423 Clear celladenocarcinoma, of vagina and cervix, 1615 Clear cell change, in lung cancer, 943 Colon adenomatosis of cancer in, age distribution of, 198 prevention with intrarectal 5-FU, 439 SV40 transformation of cells in, 1108 asbestos ingestion affecting, 1073 cell proliferation in crypts of, 1172 cytochrome P-450 content as factor in carcinogenesis, 1060 epithelial guanylate cyclase affected by MNNG carcinogen, 1052 heterotrophic nitrification by microorganisms in, 1066 mutagenesis in response to carcinogens, 1068 Colorectal cancer

in adenomatosis coli, age distribution of, 198

advanced, chemotherapy in, 2240

agar colony formation in, 1238

androgen receptors in, 1085

cellular and molecular mechanisms in, 1168

cholecystectomy related to, 392

clinical trial of VP-16 in, 232

combination chemotherapy in, 662, 876

and cytotoxicity of fluorinated pyrimidines, 1159

and DMSO affecting cells, 1185

Hemoccult testing in, 1093, 2899, 2955, 2959

hepatic metastases in, 2245

hereditary, 1103

and suppressor cells in relatives, 1112

immune reactivity in, 1254

immunobiology of metastases in, 1223

immunotherapy of, 1218, 1229

intra-arterial platinum in, 1280

and LoVo cells treated with fluorinated pyrimidines, 1144

and maturation-induction of tumor cells, 1178

and mechanisms in carcinogenesis, 1047

mucosal changes in, 1637

National Large Bowel Cancer Project, 1041

summary of 1979 workshop, 1264

nuclear antigens in, 1193 5'-nucleotide phosphodiesterase isozyme in, 797

and Organ Site Programs, 1090

prevention with intrarectal 5-FU, 439

radioimmunodetection of, 1243

radiotherapy in, intraoperative, 40

recurrence after surgery, 2969

retinoic acid-binding protein in, 1199

and retinitis pigmentosa, 2897

sodium butyrate affecting cells in, 1185

survival rates in, 1036

and translocation of IgA, 1234

Colony assays, in colon cancer, 1238

Complement

Cla binding activity

and CEA levels in lung cancer, 130 in children with leukemia, 460

Computed tomography. See CT scanning

Conjugated drugs

complexed to antibodies, 1326

methotrexate, affecting drug-resistant cells, 1207

Connective tissue, ligandin in, 507

Copper, serum levels in lymphomas, 2156

Corynebacterium parvum immunotherapy

with chemotherapy in AML, 280

and secondary immune-complex glomerulonephritis, 495

Cranial fasciitis, in childhood, 401

C-reactive protein, serum levels in lymphomas, 318

CT scanning

of brain, in children with ALL, 2271

in brain stem gliomas, 2787

in prostatic carcinoma, 724

Cutaneous T-cell lymphoma, liver in, 1683

Cyclophosphamide

with adriamycin, in prostatic cancer, 1300

with adriamycin, methotrexate and folinic acid rescue, in

lung cancer, 1

with adriamycin and vincristine

plus BCG in breast cancer, 742

in small-cell carcinoma of esophagus, 1558

with adriamycin, vincristine, BCNU, methotrexate and procarbazine, in small cell carcinoma of lung, 417

with adriamycin, vincristine and dactinomycin, in retroperitoneal rhabdomyosarcoma, 845

with adriamycin, vincristine and prednisone (CHOP)

in nodular mixed lymphomas, 262 and pituitary-gonadal function, 2030

with BCNU, vincristine and prednisone, in nodular mixed lymphomas, 262

in bladder cancer, 1884

with bleomycin, vincristine and prednisone, in nodular mixed lymphomas, 262

with bone marrow infusions, in adult solid tumors, 3075

with 5-fluorouracil, in advanced colon cancer, 2240 with 5-fluorouracil and CCNU or methotrexate, in

colorectal carcinoma, 662 with 5-fluorouracil and dactinomycin, in ovarian cancer,

2529 with methotrexate, in small cell carcinoma of lung, 30

with methotrexate and 5-fluorouracil

and bone scans in breast cancer, 1562 plus tamoxifen in breast cancer, 735

in neuroblastoma, and kinetic perturbations in marrow, 882 with prednisone, in nodular mixed lymphomas, 262

with prednisone, 5-FU, methotrexate and vincristine, in choroidal metastases, 1538

in prostate cancer, 757, 1937

with radiation therapy, in small cell carcinoma of lung, 30

solid tumor and host response to, 2793

with vincristine and methotrexate, in small cell carcinoma of lung, 30

with vincristine and prednisone

in childhood lymphomas, 630

in nodular mixed lymphomas, 262

and pituitary-gonadal function, 2030

with vincristine, procarbazine and prednisone (COPP)

in nodular mixed lymphomas, 262 and pituitary-gonadal function, 2030

Cyproterone acetate, in prostatic cancer, 1929

Cyst, biliary, malignant changes in, 195

Cystadenocarcinoma of ovary, in young child, 2227

5-S Cysteinyldopa excretion, in DTIC therapy of melanoma, 245

Cystic carcinoma, adenoid

of esophagus, 1516

of submaxillary gland, 2872

Cystic mesothelioma, benign, 2395

Cytochrome P-450, colonic, and carcinogenesis, 1060

Cytogenetics. See Chromosomes

Cytokinetics

drug-induced changes in neuroblastoma, 882

in head and neck cancer, 452

Cytology

aspiration

in breast dysplasia, 2878

in Hodgkin's disease, 1653

in thyroid neoplasia, 340

sputum, in uranium workers, after cigarette smoking, 1273 Cytosine arabinoside

in AML in elderly patients, 2816

with 6-mercaptopurine, in AML, 280

with methotrexate, in acute non-lymphocytic leukemia,

with thioguanine, in acute non-lymphocytic leukemia, 224

thymidine with, 1124 in timed-sequential therapy with daunorubicin, in AML, 859

with VM-26, in ALL, 1284 Cytoxan. See Cyclophosphamide

D

Dacarbazin. See DTIC

Dactinomycin

with cyclophosphamide, adriamycin and vincristine, in retroperitoneal rhabdomyosarcoma, 845

with cyclophosphamide and 5-FU, in ovarian cancer, 2529 with melphalan and 5-FU, in ovarian cancer, 2529 Daunomycin

in AML in elderly patients, 2816

with L-asparaginase, vincristine and prednisone, in ALL, 3090

conjugated, in myelosarcomas, 1326

fulminant hyperpyrexia from, 2249

in timed-sequential therapy with cytosine arabinoside, in AML, 859

with vincristine and prednisone, in AML, 280

with vincristine, prednisone and stanozolol, in AML, 1540

Daunorubicin. See Daunomycin

DDP. See Platinum

Delalutin, compared to Depo-Provera, in metastatic endometrial adenocarcinoma, 268

Denial, in cancer patients, 1987, 3086

Depo-Provera, compared to Delalutin, in metastatic endometrial adenocarcinoma. 268

Dexamethasone, with BCNU, vincristine and methotrexate, plus radiotherapy in medulloblastoma, 666

Diethylstilbestrol

exposure to, and vaginal disorders, 3008

therapy in prostate cancer, 1937

Dihydroxybusulfan, in ovarian carcinoma, and leukemia development, 19

Dimethylsulfoxide (DMSO), affecting colon cancer cells,

Dopamine, production by intestinal carcinoid tumor, 104 DTIC

with adriamycin, bleomycin and vinblastine, and pituitarygonadal function, 2030

hepatic veno-occlusive disease from, 2670

in prostate cancer, 1937

with transfer factor and melphalan, in disseminated melanoma, 2506

107

Effusions, malignant, in breast cancer, 1609

Elastosis, in salivary gland tumors, 2301

Electron microscopy

of adenoid cystic carcinoma of esophagus, 1516

of ameloblastoma, 2858

of choroid sarcoma, 520

of clear cell adenocarcinoma of vagina and cervix, 1615

of elastosis in salivary gland tumors, 2301

of endodermal sinus tumor in pineal region, 2131

of intravenous pyogenic granuloma, 1646

of lipoblastomatosis, benign, 511

of mesoblastic nephroma, congenital, 306

of mucinous thyroid carcinoma, 2564

of osteogenic sarcoma, 64

of pituitary tumors with acromegaly, 1598

of sarcoma of liver, 3108

of sarcoma after radiation for breast cancer, 1419

of schwannoma, malignant, 1585

of synovial sarcoma, 2109

of undifferentiated malignancies, 2311

of uterine leiomyoma metastases, 932

of verrucous carcinoma, 2849

Endocarditis, nonbacterial thrombotic, and mucin-producing adenocarcinomas, 2374

Endodermal sinus tumors, in pineal region, 2131, 2646

Endometrial cancer

adenoacanthoma, and polymorph phagocytosis by cancer cells, 2348

biochemical markers in, 948

after estrogen exposure, 3018

locally advanced adenocarcinoma, 715

metastatic progesterone therapy in, 268

Enzymes

lysozyme in malignant histiocytosis, 273

5'-nucleotide phosphodiesterase isozyme

in hepatitis, hepatoma and normal patients, 795

in liver cancer, 209

in ovarian cancer, 797 pathology in liver, 2383

Epidemiology of cancer, 2475

Epidermal tumors, antigenic alterations in, 2284

Epidermoid carcinoma

of head and neck, chemotherapy in, 217

and hemolytic anemia after chemotherapy, 2252

of nasopharynx, radiation failures in, 2725

Epinephrine, and cell proliferation in colonic crypts, 1172

Epitheliocarcinoma of Malherbe, 2368

Epithelioid sarcoma, with synovial sarcoma in same knee, 158

Epithelium

colonic, guanylate cyclase in, MNNG carcinogen affect-

oral, tobacco-induced changes in, 2330

Epodyl, intravesical, in bladder cancer, 1856

Erythrocyte polyamine levels, in cancer patients, 108

Esophageal cancer

adenoid cystic, 1516

chemotherapy in small-cell carcinoma, 1558

lye corrosion carcinoma, 2655

5'-nucleotide phosphodiesterase isozyme in, 797

oat cell carcinoma, 2342

radiotherapy with 5-FU infusional program, 703

treatment combinations in, 2265

Estramustine phosphate, in prostate cancer, 1937

Estrogen receptors

in bone turbors, 3004

in breast cancer, 349

analysis of cells from malignant effusions, 1609 and management of advanced cancer, 2992

as prognostic factor, 1993

and regression of tumor, 2998

and response to aminoglutethimide, 786

and variations with multiple analyses, 792

in malignant carcinoid tumor, 293

in uterine leiomyoma, 932

Estrogen therapy

and breast cancer risk, 3027

and endometrial carcinoma development, 3018

in prostate cancer, 1929

and vaginal disorders from DES exposure, 3018

Ewing's sarcoma

prognostic factors in, 2213

at site of metal plate, 413 steroid receptors in, 3004

Eyes

chemotherapy in choroidal metastases, 1538 cortical blindness from platinum therapy, 764 metastasis from lung cancer, 2521 radiotherapy in ocular lymphomas, 688

familial, and ataxia-telangiectasia, 775 stage-related multimodality therapy in, 851

F

Familial conditions

retinoblastoma

colon cancer, 1103, 1112

father-son testicular malignancy, 1005

gallbladder cancer in Hispanic New Mexicans, 1705

gastric cancer, 599

mesothelioma, malignant, 2422

Muir's syndrome, 1103

retinoblastoma and ataxia-telangiectasia, 775

Fasciitis, cranial, in childhood, 401

Fecal occult blood

Hemoccult test for, 1095, 2899, 2955, 2959

immunochemical test for, 1099

Fetal tissues, ligandin in, 507

α-Fetoprotein

in endodermal sinus tumor cells, 2131

plasma levels

in gynecologic malignancies, 948

in hepatoblastoma, 315

in seminoma, 2166

in testicular cancer, 1755

radioimmunodetection in tumors, 2500

Fever

fulminant hyperpyrexia, cytotoxic-induced, 2249

in neutropenic pediatric cancer patients, 407

Fibromatosis, congenital generalized, with pulmonary involvement, 954

Flow cytometry, in bladder cancer diagnosis, 2389

Fluoride therapy, in multiple myeloma, 1669

5-Fluorodeoxyuridine (FUdR)

cytotoxicity in colon cancer, 1159

effects on LoVo cells, 1144

in hepatic metastases from colorectal cancer, 2245

intra-arterial infusions in hepatic carcinoma, 866

5-Fluorouracil (5-FU)

carotid artery infusions of, 2258

with CCNU, vincristine and streptozotocin, in colorectal cancer, 876

in colon cancer, advanced, 2240

with cyclophosphamide and CCNU or methotrexate, in colorectal carcinoma, 662

with cyclophosphamide and dactinomycin, in ovarian cancer, 2529

with cyclophosphamide and methotrexate

and bone scans in breast cancer, 1562

plus tamoxifen in breast cancer, 735

with cyclophosphamide, prednisone, methotrexate and vincristine, in choroidal metastases, 1538

cytotoxicity in colon cancer, 1159

effects on LoVo cells, 1144

in hepatic metastases from colorectal cancer, 2245

with immunotherapy, affecting cell-mediated immunity, 476

infusional program with radiotherapy, in esophageal cancer, 703

intrarectal, in prevention of colonic adenomatosis and carcinoma, 439

with melphalan and dactinomycin, in ovarian cancer, 2525

with methotrexate plus BCG, in breast cancer, 742 with mitomycin C, hemolytic anemia from, 2252

in prostate cancer, 1937

thymidine with, 1119, 1129, 1135

5-Fluorouridine (5-FUR)

cytotoxicity in colon cancer, 1159

effects on LoVo cells, 1144

Folinic acid rescue, with cyclophosphamide, adriamycin and methotrexate, in lung cancer, 1

Follicle-stimulating hormone levels, chemotherapy affecting, 2030

Ftorafur, affecting LoVo cells, 1144

Fungus infections

candidiasis and vertebral osteomyelitis in AML, 1025 systemic mycosis from *Trichosporon cutaneum*, 367

0

Galactosyltransferase, cancer-associated acceptor of, 1212 Gallbladder cancer

in Hispanic New Mexicans, 1705

invasive, precursor lesions of, 919

5'-nucleotide phosphodiesterase isozyme in, 797

Gastrectomy, and gastric adenocarcinoma development, 996 Gastrin, serum, in small cell carcinoma of lung, 1432

Gastrointestinal tract

amine production by intestinal carcinoid tumor, 104

colon cancer. See Colorectal cancer

late effects of radiation on large intestine, 444

lesions in diffuse histocytic lymphoma, 2188

ligandin in, 507

mutagenesis in response to colon carcinogens, 1068

National Large Bowel Cancer Project, 1041

General Motors Cancer Research Foundation, 2437

Genitourinary tract rhabdomyosarcoma in children, radiation in, 3065

Germ cell tumors

extragonadal, disseminated, 2543

of testis, pathology of, 1735. See also Testicular cancer

Germinoma, intracranial, 2119

Gestational trophoblastic neoplasms, methotrexate in, with citrovorum factor rescue, 423

Giant cell tumors

of bone, steroid receptors in, 3004

of thyroid, 1689

Glioblastoma

extraneural metastasis of, 112

multiforme, CCNU in, 1289

Glioma

glial fibrillary acidic protein in, 484

of optic nerve, 1467

spinal cord, after radiation in Hodgkin's disease, 2051

Glomangioma, of trachea, 2337

Glomerulonephritis, immune-complex, after immunotherapy, 495

Glottic cancer, prognostic factors in, 991

Glucagon, plasma, in small cell carcinoma of lung, 1432

Glucocorticoid receptors, in bone tumors, 3004

Glycogen, cytoplasmic, in angiomatoid neuroblastoma, 553 Glycoproteins

circulating levels of pregnancy-specific β_1 glycoprotein in carcinomas, 102

in serum of cancer patients, 3050

Goitrogens, affecting thyroid gland, 2138

Gonadal function, chemotherapy affecting, 2030

Gonadal stromal tumor, extratesticular, in pelvis, 985

Gonadotropin. See Chorionic gonadotropin

Granulocytes

function in lymphomas, 469

lithium affecting, 91

Granuloma, intravenous pyogenic, 1646

Growth hormone levels, in small cell carcinoma of lung, 1432

Guanylate cyclase, in colon epithelium, MNNG carcinogen affecting, 1052

Gynecologic malignancies, biochemical markers in, 948

H

Hairy cell leukemia

and cytochemistry of hairy cells, 72

radiation in, 2047

Hamartomatous polyps, in stomach, 818

Hand

bony metastasis from lung cancer, 824

choroid sarcoma of, 520

Haptoglobin levels, in cancer patients, 3050

Hawaii, melanoma in, 811

Head and neck tumors

clinical trial of VP-16 in, 232

combination chemotherapy in, with platinum, vincristine

and bleomycin, 217

cytokinetics in, 452

lentigo maligna melanoma, radiation in, 2279

lymphomas, radiation in, 653

5'-nucleotide phosphodiesterase isozyme in, 797

outpatient chemotherapy in, 2038

paranasal neuroendocrine carcinoma, 330

plasmacytoma, solitary extramedullary, 2893

squamous cell carcinoma

chemotherapy in, 2830

multimodality therapy in, 1527

Heart

secondary tumors related to cancer therapy, 2659

tamponade in extracardiac malignancy, 1697

Heating. See Hyperthermia

Helplessness, in cancer patients, 3086

Hemangioblastoma of spinal cord, intramedullary, 49

Hemoccult test, in colorectal cancer detection, 1095, 2899, 2955, 2959

compared to punch-disc immunochemical method, 1099

Hemoglobin

fetal

in cancer patients, 1448

production in testicular malignancy, 2177

H disease, acquired, 78

Hepatitis, 5'-nucleotide phosphodiesterase isozyme in, 795

Hepatoblastoma, with thrombocytosis and elevated fetoprotein and thrombopoietin, 315

Hepatoma

5'-nucleotide phosphodiesterase isozyme in, 795

and polyamines in red cells, 108

protein markers in, 1424

response to cyclophosphamide and radiation, 2793

Herpes simplex virus, tumor-associated antigen assay for, 936

Hexamethylmelamine, in bladder cancer, 1883

Hispanic New Mexicans, gallbladder cancer in, 1705

Histaminase in ascites fluid, in ovarian cancer, 2568

Histamine, and cell proliferation in colonic crypts, 1172

Histiocytoma, fibrous malignant, 167

inflammatory, 179

metastasis from, and hypertrophic pulmonary osteo-

arthropathy, 595

in nasal area, 2616

retroperitoneal, 1724 Histocytosis, malignant

in childhood, 2821

lysozyme in, 273

Hodgkin's disease

aspiration cytology in, 1653

in childhood, 1443

serum Ig in, 2084

clinical trial of VP-16 in, 232

C-reactive protein levels in, 318

findings in Rome, Italy, 1549

histology of initial relapse in, 289

lymphocyte transformation in, 899

 β_2 -microglobulin levels in, 318

MOPP regimen and radiotherapy in, prognosis of, 1352

non-T lymphocytes in, 516

5'-nucleotide phosphodiesterase isozyme in, 797

pancytopenia in, steroid-responsive, 3114

pregnancy outcome in, 2890

radiation in

spinal cord glioma from, 2051

thyroid cancer from, 2056

skin conditions in, 354

splenic T and B cells in, 767

suppressor cells in, 2102

with toxoplasmosis of CNS, 808

unfolding concepts of, 2439

and Wiskott-Aldrich syndrome, 372

Homovanillic acid, urinary, in small cell carcinoma of lung, 1432

Hormonal therapy

androgens with chemotherapy, and long-term survival in AML, 1540

estrogen. See Estrogen therapy

progesterone in metastatic endometrial adenocarcinoma, 268

in prostate cancer, 1929

in renal cell carcinoma, 1954

Hyaluronic acid secretion, by liposarcoma cell line, 1400

5-Hydroxyindoleacetic acid, urinary, in small cell carcinoma of lung, 1432

Hydroxyprogesterone caproate, compared to Depo-Provera in metastatic endometrial adenocarcinoma, 268

Hydroxyproline, urinary, in lymphomas, 1451

Hydroxyurea, in prostate cancer, 1937

Hypercalcemia, from ectopic PTH production, debulking surgery in, 2652

Hyperpyrexia. See Fever

Hypersensitivity, delayed, in cancer patients, 2090, 3050. See also Immune response

Hyperthermia in cancer therapy, 613

and pH affecting cell lethality, 2291

and phagocytic function, 2611

radiotherapy with, 638, 2707 Hypophysectomy

in breast cancer, compared to tamoxifen, 1322

effects on thyroid, 2138 in prostate cancer, 1929 Hysterectomy and radiotherapy in endometrial adenocarcinoma, 715 in uterine cervical carcinoma, 720

I

Imidazole carboxamide. See DTIC Immune complexes and CEA levels in lung cancer, 130 and glomerulonephritis after immunotherapy, 495 in leukemic children, 460 Immune response in cancer patients, 2090, 3050 in breast cancer, 2061, 2074, 2949 in colorectal cancer, 1254 in lymphomas, 2843 short-term levamisole affecting, 362 Immunization, influenza, of children with cancer, 750 Immunoblastic sarcoma, in Waldenstrom's macroglobulinemia, 3102 Immunochemical test, for fecal occult blood, 1099 Immunoglobulins cytoplasmic, detection in lymphoproliferative disorders, immunoadsorption of myeloma IgG, 2633 serum levels in childhood Hodgkin's disease, 2084 translocation of IgA in colon cancer, 1234 Immunohistochemistry of endodermal sinus tumor in pineal region, 2131 of glial fibrillary acidic protein in glial neoplasms, 484 of gonadal stromal tumor in pelvis, 985 of ligandin in tissues, 503 of sarcoma in liver, 3108 Immunohistologic studies of pituitary tumors with acromegaly, 1598 of spontaneous regression of flat warts, 2557

antigenic alterations in epidermal tumors, 2284 assay for herpes simplex virus tumor-associated antigen, 936 breast lesion A and B isoantigens, 2149 carcinoembryonic antigen. See Carcinoembryonic antigen complement and Cl_q binding activity and CEA levels in lung cancer, 130 in children with leukemia, 460

drug-antibody conjugates in cancer therapy, 1326 host defense in solid tumor patients, 2702 mechanisms in tumor growth, 2486, 2929 nuclear antigens in colon cancer, 1193 OK-432 affecting cell-mediated immunity, 476 splenic T and B cells in Hodgkin's disease, 767 Immunosuppressive therapy, and malignancy inciden

Immunosuppressive therapy, and malignancy incidence, 2096

Immunotherapy

Immunology

BCG with chemotherapy, in breast cancer, 742 in leukemia, and immune complexes in children, 460 methanol extraction residue in, pulmonary abnormalities from, 1340 with chemotherapy. See Chemoimmunotherapy in colon cancer, 1218, 1229

Corynebacterium parvum with chemotherapy in AML, 280

and secondary immune-complex glomerulonephritis, 495

lymphokine preparations in, 1248

in multimodality therapy of anaplastic thyroid carcinoma, 1689

in renal cell carcinoma, 1955

with transfer factor

in melanoma metastasis, 57, 2506

in renal cell carcinoma, 1955

Infections

candidiasis and vertebral osteomyelitis in AML, 1025 gram-positive septicemia in cancer patients, 206 and host defense in solid tumor patients, 2702 systemic mycosis from *Trichosporon cutaneum*, 367 Insulin levels, in small cell carcinoma of lung, 1432

Intestines. See Gastrointestinal tract

Intracranial tumors

brain stem gliomas in childhood, 2787 glial fibrillary acidic protein in glial neoplasms, 484 glioblastoma multiforme, CCNU in, 1289 germinoma and pinealoma, 2119 lymphomas, 545 metastatic

from melanoma, 679 surgery in, 2639

multimodality therapy for medulloblastoma, 666 oligodendrogliomas, 1458

optic nerve gliomas, 1467

pineoblastoma compared to pineocytoma, 1408 radiotherapy in

intraoperative, 40 for medulloblastoma, 670

Iodine-125 implants

in prostate cancer, 2717 with radiotherapy in pancreatic carcinoma, 709

Isoproterenol, and cell proliferation in colonic crypts, 1172

J

Japan intracranial germinoma and pinealoma in, 2119 primary liver cancers in, 2663 survival in acute leukemia, 2181

K

Kaposi's sarcoma radiotherapy in, 684 second malignancies with, 1472 vinblastine in, 427

Karnofsky performance status, and evaluation of patients, 2220

Keratoses, seborrheic, with gastric adenocarcinoma, 2434 Kidney

clinical trial of VP-16 in cancer, 232 congenital mesoblastic nephroma, 306

immune-complex glomerulonephritis after immunotherapy, 495

ligandin in, 505 nephrotic syndrome and thymoma, 387

oncocytoma of, 1010 ossifying tumor of, in infants, 609 renal cell carcinoma, 1947 with ectopic PTH production, and debulking surgery in hypercalcemia, 2652

pleomorphic, 528 Wilms' tumor, 1791

in adults, 1713

Knee, epithelioid and synovial sarcomas in, 158

L

Lacrimal gland, malignant mixed tumors of, 2593

Lactic dehydrogenase levels in Ewing's sarcoma, 2213

in testicular cancer, 1760

Laetrile, case against, 799

Laparotomy staging in lymphomas, 2778

and radiation with adjunctive chemotherapy, 249

Laryngeal cancer, prognostic factors in, 991 Leiomyoma of uterus, metastasizing, 932

Leiomyomatosis peritonealis disseminata, 1726

Lennert's lymphoma, 1379

Lentigo maligna of head and neck, radiotherapy in, 2279

Leser-Trélat sign, in gastric adenocarcinoma, 2434 Leukemia

acute

in adults, length of remission in, 2017

long-term survival in Japan, 2181

phagocytosis in, 1365

acute lymphoblastic

and ataxia-telangiectasia, 1675

bone marrow transplantation in T-cell ALL, 2006

and testicular relapse in childhood, 2009 treatment of relapses in, 3090

acute lymphocytic

and CT brain scans in childhood, 2274

VM-26 and cytosine arabinoside in, 1284

acute myeloblastic, in elderly patients, 2816

acute myelocytic

chemoimmunotherapy with C. parvum, 280

long-term survival with chemotherapy and androgens,

and pituitary-gonadal function after chemotherapy, 2030

timed-sequential chemotherapy in, 859

acute myelomonoblastic, chromosome aberrations in, 285 acute myelomonocytic, and Candida vertebral osteomy-

elitis, 1025

acute non-lymphocytic

after long-term chemotherapy, 1315

combination chemotherapy in, 224

missing Y chromosome in, 84

with ovarian carcinoma, 19

Burkitt's lymphoma cell, 2884

cell lines in, 2324

of central nervous system

prevention with intrathecal methotrexate, 280

recurrence of, 16

chronic lymphocytic

detection of cytoplasmic Ig in, 1334

lymphocyte function in, 893

hairy cell

and cytochemistry of hairy cells, 72

radiation in, 2047

immune complexes in sera from children, 460

lymphoblastic, convoluted nuclei in, 1569

5'-nucleotide phosphodiesterase isozyme in, 797

survival rates in, 1039

Leukocytes, polymorphonuclear, hyperthermia affecting, 2611

Leukoplakia, oral, and tobacco-induced changes in epithelium, 2330

Levamisole, short-term use affecting delayed hypersensitivity, 362

LeVeen shunt, in malignant ascites, 1019

Ligandin, localization in tissues, 503

Lipoblastomatosis, benign, 511

Liposarcoma

cell line producing hyaluronic acid, 1400

metastatic to bone marrow, 345

pancreatic, 1720

Lithium, affecting lymphocytes, granulocytes and platelets,

Liver. See also Hepatoma

adenomas of, multiple, 1001

cancer study in Japan, 2663

enzyme pathology in, 2383

intra-arterial infusion chemotherapy in cancer, 866

ligandin in, 504

in lymphomas

biochemical tests of, 1451

cutaneous T-cell lymphomas, 1683

metastasis to

from breast cancer, intra-arterial platinum in, 1278

from colorectal cancer, 2245

5'-nucleotide phosphodiesterase isozyme test in cancer,

sarcoma with α_1 -antitrypsin deposits, 3108

veno-occlusive disease from DTIC, 2670

Lungs

abnormalities from intravenous BCG-MER, 1340

cancer of

antipyrine metabolism in, 1438

bronchial epithelial papillary tumors, 1486

bronchoscopy in, 1693

Cl_q binding activity correlated with CEA levels, 130

cardiac tamponade in, 1697 clear-cell change in, 943

clinical trial of VP-16 in, 232

combination chemotherapy in, 1, 6 metastasis to hand bones, 824

and β_2 -microglobulin in serum, 780

5-nucleotide phosphodiesterase isozyme in, 797

and polyamines in red cells, 108

pregnancy-specific β_1 glycoprotein in, 102

radiotherapy in, 40, 698, 2744

small-cell. See Lungs, small cell carcinoma of

sputum cytology in, 1273

survival rates in, 1038

in congenital generalized fibromatosis, 954

fibrosis after BCNU therapy, 1311

metastasis to

from fibrous histiocytoma, 173, 595

from melanoma, and immunotherapy with transfer factor, 57

surgery in, 2981

mitomycin-induced toxicity of, 236

small cell carcinoma of

combined modality trial in, 30

continuous cell lines from, 906

metastasis to iris, 2521

polypeptides and amine metabolites in, 1432

six-drug regimen in, 417
water homeostasis in, 2414
Luteinizing hormone levels
chemotherapy affecting, 2030
in small cell carcinoma of lung, 1432
Lye corrosion carcinoma of esophagus, 2655
Lymph nodes
biopsy of, with lymphography in prostatic carcinom

biopsy of, with lymphography in prostatic carcinoma, 728 dermatopathic lymphadenopathy in mycosis fungoides, 137

lymphadenopathy in hairy cell leukemia, radiation in, 2047 metastases from adenoid cystic carcinoma, 2872 in neuroblastoma, as prognostic factor, 1632

radiation of, in genitourinary rhabdomyosarcoma in children, 3065

Lymphadenectomy

and altered lymphatic drainage, 3045 in germ cell tumors of testis, in Stages I and II, 1775 pelvic, in prostate cancer, 1902

Lymphocytes cell-mediated immunity after immunotherapy, 476 function in CLL, 893 lithium affecting, 91

non-T cells in Hodgkin's disease, 516 in skin, analysis in mycosis fungoides and Sézary syndrome, 2864

splenic T and B cells in Hodgkin's disease, 767 transformation affected by Hodgkin's disease plasma, 899 Lymphography, with nodal biopsy, in prostatic carcinoma,

728
Lymphohistiocytic reticulosis with phagocytosis, treatment

of, 2516 Lymphokines, in immunotherapy, 1248

Lymphomas

biochemical tests in, 1451

Burkitt

leukemic presentation of, 2884 prognostic factors in, 1507

in childhood, combined modality therapy in, 630 clinical trial of VP-16 in, 232

CNS involvement in, 545

high-dose methotrexate in, 1556 and copper levels in serum, 2156 C-reactive protein levels in, 318 cutaneous T-cell, liver in, 1683

diffuse histiocytic

gastrointestinal lesions in, 2188 intra-arterial platinum in, 1280

gastric, adenocarcinoma after, 996

gonads in, 561

granulocyte function in, 469 of head and neck, radiation in, 653

Hodgkin's. See Hodgkin's disease

immune dysfunction in, 2843 intra-abdominal, in children, 3034

intra-abdominal, in children, 303laparotomy findings in, 2778

and radiation with adjunctive chemotherapy, 249 Lennert's, 1379

lymphoblastic, convoluted nuclei in, 1569

lymphocytic, detection of cytoplasmic Ig in, 1334 β_2 microglobulin levels in, 318

nodular, 2364

cutaneous, in infancy, 603

mixed lymphocytic-histiocytic, 261 5'-nucleotide phosphodiesterase isozyme in, 797 ocular, radiotherapy in, 688

and pituitary-gonadal function after chemotherapy, 2030

in pregnancy, 1679

spontaneous regression of, 2627

T-cell, pseudonodular pattern of, 1370

testicular, 1578

Lysozyme, in malignant histiocytosis, 273

M

Macroglobulinemia, Waldenstrom's, immunoblastic sarcoma in, 3102

Malherbe epitheliocarcinoma, 2368

Mammography, parenchymal patterns in

in breast cancer, 2550 in estrogen users, 3027

Mechlorethamine, accidental intramuscular injection of, 2225 Mediastinal tumors, intraoperative radiotherapy in, 40

Medroxyprogesterone acetate, compared to Delalutin in metastatic endometrial adenocarcinoma, 268

Medulloblastoma

in childhood, myelography in, 2194

multimodality therapy in, 666 radiotherapy in, 670

Melanoma

cerebral metastases from, 679

cutaneous

early, 2684

ulceration of, 3012

disseminated, chemoimmunotherapy in, 2506

DTIC in, and excretion of 5-S-cysteinyldopa, 245

in Hawaii, 811

lentigo maligna, of head and neck, 2279

metastatic to lung, and immunotherapy with transfer factor, 57

regionally confined, intra-arterial platinum in, 1278 sex difference in prognosis of, 1604

Melphalan

with DTIC and transfer factor, in disseminated melanoma, 2506

in ovarian cancer, 2529

5-FU and dactinomycin with, 2529

surgery and radiation with, 2754

6-Mercaptopurine, with cytosine arabinoside in AML, 280 Mesothelioma

benign cystic, 2395

malignant, familial, 2422

Metaraminol, and cell proliferation in colonic crypts, 1172 Metastasis

of bladder cancer, chemotherapy in, 1879

to bone

and acid phosphatase levels, 2400

in breast cancer, nonoperative management of, 1533

in hand bones, from lung cancer, 824 to bone marrow, from liposarcoma, 345

choroidal, chemotherapy in, 1538

of color control in the color of color colors in the color colors colors

of colon cancer, immunobiology of, 1223

of endometrial adenocarcinoma, progesterone therapy in, 268

extraneural, of astrocytomas and glioblastomas, 112 intracranial

from melanoma, 679

in sarcoma patients, 377

surgery in, 381, 2639

to iris, from lung cancer, 2521

to liver

from breast cancer, intra-arterial platinum in, 1278 from colorectal cancer, 2245

to lung

from fibrous histiocytoma, 173, 585

from melanoma, and immunotherapy with transfer factor, 57

surgery in, 2981

to lymph nodes, in adenoid cystic carcinoma, 2872

of testicular cancer, spontaneous regression of, 2908

of thyroid medullary carcinoma, related to calcitonin in pheochromocytomas, 498

of uterine leiomyoma, 932

Metastatectomy without chemotherapy, in osteosarcoma, 1664

Methotrexate

with BCNU, vincristine and dexamethasone, plus radiotherapy in medulloblastoma, 666

in bladder cancer, 1879

with bleomycin, vinblastine and CCNU, in head and neck tumors, 2038

carotid artery infusions of, 2258

with citrovorum factor rescue, in gestational trophoblastic neoplasms, 423

conjugated

affecting drug-resistant cells, 1207

in myelosarcomas, 1326

with cyclophosphamide, in small cell carcinoma of lung, 30 with cyclophosphamide, adriamycin and folinic acid rescue, in lung cancer, 1

with cyclophosphamide, adriamycin, vincristine, BCNU and procarbazine, in small cell carcinoma of lung, 417

with cyclophosphamide and 5-fluorouracil

and bone scans in breast cancer, 1562

in colorectal carcinoma, 662

with cyclophosphamide, 5-FU, prednisone and vincristine, in choroidal metastases, 1538

with cyclophosphamide, 5-FU and tamoxifen in breast cancer, 735

with cyclophosphamide and vincristine, in small cell carcinoma of lung, 30

with cytosine arabinoside, in acute non-lymphocytic leukemia, 224

with 5-fluorouracil plus BCG, in breast cancer, 742

high-dose, in CNS lymphoma, 1556

intrathecal, for CNS prophylaxis

with chemoimmunotherapy in AML, 280

in childhood lymphomas, 630

and CT brain scans in children, 2274

nutrition affecting responses to, 3069

in penile cancer, 214, 1973

in prostatic carcinoma in rat, 757

thymidine with, 1118

Bo-Microglobulin levels

in bronchial carcinoma, 780

in lymphomas, 318

Misonidazole, with radiotherapy, 2707

Mitomycin C

with 5-fluorouracil, hemolytic anemia from, 2252 intravesical, in bladder cancer, 1856

pulmonary toxicity of, 236

Mixed tumors

lacrimal gland, malignant, 2593

mullerian, of uterus, 188, 1625

MNNG carcinogen, action on guanylate cyclase of colon epithelium, 1052

Mucin-producing tumors

adenocarcinomas, 2374

thyroid carcinoma, 2564

Muir's syndrome, 1103

Mullerian mixed tumors of uterus

malignant, 188

postradiation, 1625

Multimodality therapy. See Adjunct and multimodality therapy

Muramidase, in malignant histiocytosis, 273

Mutagenesis, gastrointestinal, in response to colon carcinogens, 1068

Mycosis fungoides

dermatopathic lymphadenopathy in, 137

diagnosis by analysis of lymphoid cells in skin, 2864

Myelography, in childhood medulloblastoma, 2194

Myeloma, multiple

fluoride therapy in, 1669

and immunoadsorption of IgG, 2633

radiation therapy in, 647

Myelophthisis, in liposarcoma metastatic to bone marrow, 345

Myeloproliferative disorders

with acquired hemoglobin H disease, 78

in D/D translocation carrier, 327

Myelosarcomas, drug-antibody conjugates in, 1326

Myoepithelial cell line, from salivary gland adenoma, 297 Myxoma of bone, in primates, 2573

Nasopharynx

epidermoid carcinoma of, radiation failures in, 2725

fibrous histiocytomas of, 2616

National Large Bowel Cancer Project, 1041

summary of 1979 workshop, 1264

Neck cancer. See Head and neck tumors

Neocarzinostatin

in bladder cancer, 1883, 2836

in prostatic cancer, 2836

Nephroma, congenital mesoblastic, 306

Nephrotic syndrome, and thymoma, 387

Nervous system. See Central nervous system

Neuroblastoma

adrenal, bilateral, 2208

in adults, 840

angiomatoid, cytoplasmic glycogen in, 553

clinical trial of VP-16 in, 232

drug-induced kinetic perturbations in, 882

nasal, vasopressin secretion in, 961

prognosis with lymph node involvement, 1632 regionally confined, intra-arterial platinum in, 1280

review of Stage IV-S patients, 833

spinal cord compression in, 3095

staging and treatment of, 1799

Neuroendocrine carcinoma, of paranasal sinuses, 330

Neurofibrosarcoma, 126

Neutron beam therapy, in sarcomas, 2712

Neutropenia, and fever in pediatric cancer patients, 407

Neutrophils, polymorphonuclear, function in lymphomas,

Nickel-related cancers, of respiratory tract, 3061

Nitrification, heterotrophic, by intestinal microorganisms, 1066

Nitrogen mustard

with adriamycin, vincristine and dactinomycin, in retroperitoneal rhabdomyosarcoma, 845

arterial infusions in pelvic pain, 432

with vincristine, procarbazine and prednisone (MOPP) and pituitary-gonadal function, 2030 with radiotherapy in Hodgkin's disease, 1352

Norepinephrine, production by intestinal carcinoid tumor, 104

Nose

fibrous histiocytomas of, 2616 neuroblastoma of, secreting vasopressin, 961 nickel-related cancers of, 3061 NSC 45388. See DTIC

NSC 141540. See VP-16

Nuclear antigens, in colon cancer, 1193 5'-Nucleotidase, serum, in lymphomas, 1451 5'-Nucleotide phosphodiesterase isozyme in hepatitis, hepatoma and normal patients, 795 in liver cancer, 209

in ovarian cancer, 797

Nutrition

and host and tumor response to chemotherapy, 3069 and infection in solid tumor patients, 2702 and tumor growth, 2940

o

Oat cell carcinoma, of esophagus, 2342 OK-432, affecting cell-mediated immunity, 476 Oligodendrogliomas, 1458 Oncocytoma, renal, 1010 Oncovin. See Vincristine Optic nerve, glioma of, 1467 Orchiectomy, in prostate cancer, 1929 Organ Site Programs, 1090 Ornithine carbamoyl transferase activity, in lymphomas, 1451

Osteoarthropathy, hypertrophic pulmonary, and metastasis from fibrous histocytoma, 595

Osteomyelitis, Candida vertebral, in AML, 1025

Osteosarcoma

clinical trial of VP-16 in, 232 en bloc resections in, 3040 metastatectomy in, without chemotherapy, 1664 5'-nucleotide phosphodiesterase isozyme in, 797 steroid receptors in, 3004 ultrastructure of, 64

Ovary

carcinoma of and acute non-lymphocytic leukemia, 19 advanced, 572 biochemical markers in, 948 chemotherapy in, 2529 clinical trial in VP-16 in, 232 and histaminase in ascites fluid, 2568 5'-nucleotide phosphodiesterase isozyme in, 797 radiotherapy in Stage II, 1344 sequential therapy in, 2754 cystadenocarcinoma in young child, 2227 ligandin in, 506 lymphoma of, 561 sex cord tumors with annular tubules, 2352

Pain, pelvic, arterial infusions of nitrogen mustard in, 432 Pancreas alpha cell tumors, 2675

carcinoma iodine-125 implant in, with radiotherapy, 709

and polyamines in red cells, 108 radiotherapy in, intraoperative, 40 survival rates in, 1037 focal acinar dysplasia in, 534

liposarcoma of, 1720 Pancytopenia, steroid-responsive, in Hodgkin's disease, 3114

Paranasal sinus tumors

fibrous histiocytomas, 2616 neuroendocrine carcinoma, 330

Parathyroid hormone, ectopic production of, and debulking surgery in hypercalcemia, 2652

Pediatric conditions. See Children

Pelvis

gonadal stromal tumor in, 985 malignancies of, urinary diversion in, 2698

pain in, and arterial infusions of nitrogen mustard, 432

Penile cancer, 1973 methotrexate in, 214

5'-nucleotide phosphodiesterase isozyme in, 797

radiation therapy in, 1978, 1980 Peptichemio, in breast cancer, 2524

Peritoneoscopy, in cutaneous T-cell lymphoma, 1683 Peritoneo-venous shunt, in malignant ascites, 1019 pH, and cell lethality in hyperthermic therapy, 2291

Phagocytosis

in acute leukemia, 1365 hyperthermia affecting, 2611

with lymphohistiocytic reticulosis, 2516 polymorph, by cancer cells, 2348

Pheochromocytomas, calcitonin in, 498

Pilar tumors, trichilemmal, 1594

Pilomatrix carcinoma, 2368 Pineal region, endodermal sinus tumors in, 2131, 2646

Pinealoma, intracranial, 2119 Pineoblastoma, compared to pineocytoma, 1408

Pineocytoma, compared to pineoblastoma, 1408 Pituitary gland

function affected by chemotherapy, 2030 hypophysectomy. See Hypophysectomy

Plasmacytoma. See also Myeloma, multiple

5'-nucleotide phosphodiesterase isozyme in, 797 radiation therapy in, 647

solitary extramedullary, 2893 of stomach and testis, 396

Plasmapheresis, in multiple myeloma, 2633 **Platelets**

lithium affecting, 91

thrombocytosis in hepatoblastoma, 315

Platinum

in bladder cancer, 1879

intra-arterial, in reginally confined malignancies, 1278

in penile cancer, 1978

seizures and cortical blindness from, 764

toxicity of, 11

with vinblastine and bleomycin

in extragonadal germ cell tumors, 2543

in squamous cell carcinoma of head and neck, 2830 with vincristine and bleomycin, in head and neck cancer,

with VP-16, in small cell carcinoma of esophagus, 1558

Podophyllotoxin derivative. See VP-16 Polyposis coli, familial, mucosal changes in, 1637

Polyps, gastric, hamartomatous, 818

Prealbumin levels, in cancer patients, 3050 Prednimustine, in prostate cancer, 1937

Prednisone

with BCNU, in nodular mixed lymphomas, 262

with cyclophosphamide, in nocular mixed lymphomas, 262

with cyclophosphamide and vincristine

in childhood lymphomas, 630

in nodular mixed lymphomas, 262

and pituitary-gonadal function, 2030

with cyclophosphamide, vincristine and adriamycin in nodular mixed lymphomas, 262

and pituitarygonadal function, 2030

with cyclophosphamide, vincristine and BCNU, in nodular mixed lymphomas, 262

with cyclophosphamide, vincristine and bleomycin, in nodular mixed lymphomas, 262

with cyclophosphamide, vincristine, 5-FU and metho-

trexate, in choroidal metastases, 1538 with cyclophosphamide, vincristine and procarbazine in nodular mixed lymphomas, 262

and pituitary-gonadal function, 2030

with daunomycin and vincristine, in AML, 280

with daunomycin, vincristine and L-asparaginase, in ALL, 3090

with daunomycin, vincristine and stanozolol, in AML, 1540

with nitrogen mustard, vincristine and procarbazine and pituitary-gonadal function, 2030 and radiotherapy in Hodgkin's disease, 1352

Pregnancy

lymphoma in, 1679

outcome in Hodgkin's disease, 2890

Pregnancy-specific β_1 glycoprotein, circulating levels in carcinomas, 102

Presidential Address: Surgical oncology - Expectations for the future, 2925

Procarbazine

with cyclophosphamide, vincristine, adriamycin, BCNU and methotrexate, in small cell carcinoma of lung, 417

with cyclophosphamide, vincristine and prednisone

in nodular mixed lymphomas, 262 and pituitary-gonadal function, 2030

with nitrogen mustard, vincristine and prednisone and pituitary-gonadal function, 2030

and radiotherapy in Hodgkin's disease, 1352 Progesterone receptors

in bone tumors, 3004

and breast cancer management, 2992

Progesterone therapy, in metastatic endometrial adenocarcinoma, 268

Propranolol, and cell proliferation in colonic crypts, 1172 Prostate tumors

chemotherapy in, 757, 1300, 1937

classification and staging of, 1889, 1902, 1906

clinical trial of VP-16 in, 232

detection of, 1896

hormonal therapy in, 1929

iodine-125 implants in, 2717

lymphography with nodal biopsy in, 728

neocarzinostatin in, 2836

radiotherapy in

external, 1912

interstitial and external, 1922

intraoperative, 40

rhabdomyosarcomas in children, 1810

surgery in, radical, 1906

survival rates in, 1038

ultrasonography and CT scanning in, 724

Prostatectomy, radical perineal, 1906

Pseudolymphoma of breast, 973

Pseudonodular pattern, of T-cell lymphoma, 1370

Psychological impact of cancer

and denial and helplessness in patients, 1987, 3086

in urologic cancer, 1985

Pyogenic granuloma, intravenous, 1646

Racial factors, in cancer survival, 1029

Radiation exposure in uranium workers, and sputum cytology after cigarette smoking, 1273

Radiation therapy

adjunctive use of. See Adjunct and multimodality therapy

in bladder cancer, 1866, 1875

in breast cancer

inflammatory, 625, 2730

sarcoma of chest from, 1419

in cerebral metastases from melanoma, 679

in childhood urologic cancer, sequelae of, 1815

in chondrosarcoma of bone, 2769

and denial and helplessness in patients, 3086

in endometrial adenocarcinoma, 715

failures in epidermoid carcinoma of nasopharynx, 2725

fast neutron therapy in sarcomas, 2712

in genitourinary rhabdomyosarcoma in children, 3065

in germ cell tumors of testis, in Stages I and II, 1775

in hairy cell leukemia, 2047

in Hodgkin's disease

spinal cord glioma from, 2051

thyroid cancer from, 2056

intraoperative, in locally advanced cancers, 40

in Kaposi's sarcoma, 684

late effects on large intestine, 444

in lentigo maligna of head and neck, 2279

in lung cancer, 698, 2744

in lymphomas of head and neck, 653

in medulloblastoma, 670

chemotherapy with, 666

in neuroblastoma, 1799

in ocular reticulum cell sarcoma, 688

in ovarian carcinoma, Stage II, 1344

in pancreatic carcinoma, with iodine-125 implant, 709 in penile cancer, 1973, 1980

in plasma cell tumors, 647

and postradiation mixed mullerian tumors of uterus,

in prophylaxis of CNS, in small cell carcinoma of lung, 30

in prostate cancer external, 1912

followed by iodine-125 implants, 2717

interstitial and external, 1922

intraoperative, 40

in renal cell carcinoma, 1955

in salivary gland carcinoma, 693

and secondary cardiac tumors, 2659

solid tumor and host response to, 2793

in spinal cord hemangioblastoma, intramedullary, 49

in uterine cervical carcinoma, 2759

and wound healing in rat, 2805

Radioimmunodetection

of colorectal cancer, 1243

of α -fetoprotein in tumors, 2500

Receptors

androgen

in bone tumors, 3004

in colon tumors, 1085

estrogen. See Estrogen receptors

glucocorticoid, in bone tumors, 3004 progesterone

in bone tumors, 3004

and breast cancer management, 2992

Rectal cancer. See also Colorectal cancer

pathological studies in, 2965 survival rates in, 1037, 2902

Renal cell carcinoma

diagnosis and treatment of, 1947

with ectopic PTH production, and debulking surgery in hypercalcemia, 2652

pleomorphic, 528

Respiratory tract, nickel-related cancers of, 3061

Reticuloendotheliosis, leukemic. See Leukemia, hairy cell Reticulosis

histiocytic medullary. See Histiocytosis, malignant lymphohistiocytic, with phagocytosis, 2516

Reticulum cell sarcoma

5'-nucleotide phosphodiesterase isozyme in, 797

ocular, radiotherapy in, 688

Retinitis pigmentosa, and colon cancer, 2897

Retinoblastoma

familial, and ataxia-telangiectasia, 775

stage-related multimodality therapy in, 851

Retinoic acid-binding protein, in colon tumors, 1199

Retroperitoneal area

fibrous histiocytoma of, malignant, 167, 1724

liposarcomas of, 1720

rhabdomyosarcoma in children, 845

Rhabdomyosarcoma

clinical trial of VP-16 in, 232

genitourinary, in children, radiation in, 3065

pelvic, in children, 1810

retroperitoneal, in children, 485

S

Salivary glands

adenoid cystic carcinoma of, 2872

adenoma of, myoepithelial cell line from, 297

carcinoma of, 693

ectopic tissue, acinic cell carcinoma in, 967

elastosis in tumors of, 2301

Sarcoma

brain metastases in, 377

chondrosarcoma, 149. See also Chondrosarcoma

chordoid, synovial origin of, 520

Ewing's

prognostic factors in, 2213

at site of metal plate, 413

steroid receptors in, 3004

fast neutron therapy in, 2712

fibrous histiocytoma, malignant, 167. See also Histiocytoma

immunoblastic, in Waldenstrom's macroglobulinemia, 3102

Kaposi's

radiotherapy in, 684

second malignancies with, 1472

vinblastine in, 427

liposarcoma

cell line producing hyaluronic acid, 1400

metastatic to bone marrow, 345

pancreatic, 1720

of liver, with α_1 -antitrypsin deposits, 3108

neurofibrosarcoma, 126

osteogenic. See Osteosarcoma

postradiation, in breast cancer, 1419

regionally confined, intra-arterial platinum in, 1278 reticulum cell

5'-nucleotide phosphodiesterase isozyme in, 797

ocular, radiotherapy in, 688

rhabdomyosarcoma. See Rhabdomyosarcoma

schwannoma, malignant, 1585

soft-tissue

clinical trial of VP-16 in, 232

radiotherapy in, intraoperative, 40

substrate utilization in, 2934

synovial, 2109

with epithelioid sarcoma in same knee, 158

vaginal bleeding in, 2428

Sarcoma-like tumors, of skin, 2687

Scanning, See also CT scanning

serial bone scans in breast cancer, 1562

Schwannoma, malignant, 1585

Screening for malignancies

in colorectal cancer

Hemoccult test in, 1095, 2899, 2955, 2959

immunochemical test in, 1099

urinary hCG in, 2583

Seborrheic keratoses, with gastric adenocarcinoma, 2434

Secretin, plasma, in small cell carcinoma of lung, 1432

Secretory carcinoma, of breast, 2404

Seizures, from platinum therapy, 764

Seminoma, testicular

 α -fetoprotein levels in, 2166

management of, 1768

spermatocytic, 2169

Septicemia, gram-positive, in cancer patients, 206

Serotonin

and cell proliferation in colonic crypts, 1172

production by intestinal carcinoid tumor, 104

Sex cord tumors, ovarian, with annular tubules, 2352

Sézary syndrome, diagnosis by analysis of lymphoid cells in skin, 2864

Sinuses, paranasal

fibrous histiocytomas of, 2616

neuroendocrine carcinoma of, 330

dermatopathic lymphadenopathy in mycosis fungoides,

in Hodgkin's disease, 354

lymphoid cell analysis in mycosis fungoides and Sézary

syndrome, 2864

melanoma of. See Melanoma

5'-nucleotide phosphodiesterase isozyme in cancer of, 797

sarcoma-like tumors of, 2687

Small cell carcinoma

of esophagus, chemotherapy in, 1558

of lung. See Lungs, small cell carcinoma of

Smoking

and antipyrine metabolism, 1438

and sputum cytology in uranium workers, 1273

Socioeconomic factors, in cancer survival, 1029

Spermatocytic seminoma, 2169

Spermidine or spermine, in erythrocytes of cancer patients, 108

Spinal cord

compression in neuroblastoma, 3095

glioma after radiation in Hodgkin's disease, 2051

hemangioblastoma of, intramedullary, 49

Spinal osteomyelitis, Candida, in AML, 1025

Spindle-cell carcinoma

squamous, compared to sarcoma-like tumors of skin, 2687 of thyroid, 1689

Spleen, T and B cells in Hodgkin's disease, 767 Splenectomy, and granulocyte function in lymphomas, 469

Sputum cytology, in uranium workers, after cigarette smoking, 1273

Squamous carcinoma

of head and neck

chemotherapy in, 2830

multimodality therapy in, 1527

spindle-cell, compared to sarcoma-like tumors of skin, 2687

Staging

of bladder cancer, 1832

of glottic cancer, 991

laparotomy, in lymphomas, 2778

and radiation with adjunctive chemotherapy, 249

of neuroblastoma, 1799

of prostate cancer, 1889, 1902, 1906

of renal cell carcinoma, 1950

of retinoblastoma, 851

of testicular cancer

nonseminomatous, 1762

seminomas, 1768

Stanozolol, with daunorubicin, prednisone and vincristine, in AML, 1540

Stilbestrol. See Diethylstilbestrol

Stomach

cancer of

after gastric lymphoma, 996

familial factors in, 599

5'-nucleotide phosphodiesterase isozyme in, 797

and polyamines in red cells, 108

radiotherapy in, intraoperative, 40

with seborrheic keratoses, 2434

survival rates in, 1036

hamartomatous polyps in, 818

plasmacytoma with plasmacytoma of testis, 396

Streptozotocin

with CCNU, 5-FU and vincristine, in colorectal cancer,

in prostate cancer, 1937

Submaxillary gland, adenoid cystic carcinoma of, 2872

Substrate utilization, by sarcomas, 2934

Suppressor cells

in Hodgkin's disease, 2102

in relatives of patients with hereditary colon cancer, 1112

adjunctive therapy with. See Adjunct and multimodality therapy

in adrenal cortical carcinoma, 1957

in bladder cancer, 1856, 1866

in breast cancer, national survey of, 2917

breast reconstruction after therapeutic procedures, 2738

in childhood urologic cancer, sequelae of, 1815

in colorectal cancer, and recurrence of tumor, 2969 cytoreductive

in hypercalcemia from ectopic parathormone production. 2652

in seminoma of testis, 1768

in testicular cancer, 1498

en bloc resections in osteogenic sarcoma, 3040

in germ cell tumors of testis, in Stages I and II, 1775

in hepatic metastases from colorectal cancer, 2245

in intracranial metastatic tumors, 381, 2639

in neuroblastoma, 1799

in penile cancer, 1973

in prostate cancer, 1906

in pulmonary metastases, 2981

in rectal cancer, survival with, 2902

in renal cell carcinoma, 1947

and secondary cardiac tumors, 2659

Survival in cancer patients

in acute leukemia in Japan, 2181

long-term survival in AML, with androgen and chemotherapy, 1540

racial and socioeconomic factors in, 1029

in rectal cancer, 1037, 2902

SV40, affecting cell strains from adenomatosis of colon, 1108

Synovial sarcoma, 2109

with epithelioid sarcoma in same knee, 158

vaginal bleeding in, 2428

Tamoxifen, in breast cancer, 735, 2992

compared to hypophysectomy, 1322

Tamponade, cardiac, in extracardiac malignancy, 1697

Testes, ligandin in, 506

Testicular tumors

biologic markers in, 1755

in children, 1803

clinical trial of VP-16 in, 232

cytoreductive surgery in, 1498

father-son malignancies, 1005

hemoglobin F production in, 2177

leukemic infiltrations in childhood, 2009

lymphomas, 561, 1578

management of Stages I and II, 1775, 1782

metastatic, spontaneous regression of, 2908

5'-nucleotide phosphodiesterase isozyme in, 797

pathology of germ cell tumors, 1735

plasmacytoma with plasmacytoma of stomach, 396

pregnancy-specific β_1 glycoprotein in, 102

and seizures and cortical blindness from platinum therapy, 764

seminoma

α-fetoprotein levels in, 2166

management of, 1768

spermatocytic, 2169

staging of, 1762 Testosterone levels, chemotherapy affecting, 2030

Thalassemia, and acquired hemoglobin H disease, 78

Thermography of breast, and cancer risk prediction, 51

Thioguanine, with cytosine arabinoside, in acute nonlymphocytic leukemia, 224

Thio-tepa

intravesical, in bladder cancer, 870, 1856

and second cancer development, 2042

Thrombocytosis, with hepatoblastoma, 315

Thrombopoietin, increased levels in hepatoblastoma, 315 Thrombotic endocarditis, nonbacterial, and mucin-producing

Thymidine as chemotherapeutic agent, 1117

adenocarcinomas, 2374 cytosine arabinoside with, 1124

5-fluorouracil with, 1119, 1129, 1135

methotrexate with, 1118

Thymoma, and nephrotic syndrome, 387

Thyroid gland

after radiation in Hodgkin's disease, 2056

carcinoembryonic antigen in, 2607

cytologic detection of, 340

giant and spindle-cell carcinoma, 1689

metastasis of medullary carcinoma related to calcitonin

in pheochromocytomas, 498

mucinous carcinoma, 2564

carcinoembryonic antigen in normal C-cell, 98 goitrogens and hypophysectomy affecting, 2138

Thyroxine, affecting thyroid gland, 2138 Tobacco, and oral epithelium changes, 2330

Tomography, computed. See CT scanning

Toxoplasmosis of CNS, with Hodgkin's disease, 808

Trachea, glomangioma of, 2337 Transfer factor immunotherapy

in melanoma metastasis, 57, 2506

in renal cell carcinoma, 1955

Treosulfan, in ovarian carcinoma, and leukemia development, 19

Trichilemmal pilar tumors, 1594

Trichosporon cutaneum, systemic mycosis from, 367

Triiodothyronine, affecting thyroid gland, 2138

Trophoblastic neoplasms, gestational, methotrexate in, with citrovorum factor rescue, 423

U

Ulceration, of cutaneous melanoma, 3012

Ultrasonography and CT scanning, in prostatic carcinoma,

Ultrastructural studies. See Electron microscopy

Undifferentiated malignancies, cell lines in, 2311 Uranium workers, sputum cytology in, after cigarette smoking, 1273

Urethral cancer, 1965

Urinary diversion

current status of, 2986

in pelvic malignancies, 2698

Urologic cancer, psychological impact of, 1985

Uterine tumors

cervical. See Cervix uteri cancer

clinical trial of VP-16 in, 232

endometrial. See Endometrial cancer

leiomyoma, metastasizing, 932

mullerian mixed tumors

malignant, 188

postradiation, 1625

Vaccines, immunogenic. See Immunotherapy Vagina

bleeding in synovial sarcoma, 2428

clear cell adenocarcinoma of, 1615

disorders from DES exposure, 3008 rhabdomyosarcoma in children, 1810

Vanillylmandelic acid, urinary, in small cell carcinoma of lung, 1432

Vasopressin

secretion in nasal neuroblastoma, 961

urinary, in small cell carcinoma of lung, 1432

Verrucous carcinoma, 2849

Vinblastine

with adriamycin, bleomycin and DTIC, and pituitarygonadal function, 2030

with bleomycin and platinum

in extragonadal germ cell tumors, 2543

in head and neck tumors, 2830

in Kaposi's sarcoma, 427

with methotrexate, bleomycin and CCNU, in head and neck tumors, 2038

in renal cell carcinoma, 1955

Vincristine

with BCNU, cyclophosphamide and prednisone, in nodular mixed lymphomas, 262

with BCNU, dexamethasone and methotrexate, plus radiotherapy in medulloblastoma, 666

with bleomycin, cyclophosphamide and prednisone, in nodular mixed lymphomas, 262

with bleomycin and platinum, in head and neck cancer, 217

with CCNU, 5-FU and streptozotocin, in colorectal cancer, 876

with cyclophosphamide and adriamycin plus BCG in breast cancer, 742

in small cell carcinoma of esophagus, 1558

with cyclophosphamide, adriamycin, BCNU, methotrexate and procarbazine, in small cell carcinoma of lung, 417

with cyclophosphamide, adriamycin and dactinomycin, in retroperitoneal rhabdomyosarcoma, 845

with cyclophosphamide, adriamycir and prednisone in nodular mixed lymphomas, 262

and pituitary-gonadal function, 2030

with cyclophosphamide and methotrexate, in small cell carcinoma of lung, 30

with cyclophosphamide, methotrexate, 5-FU and prednisone, in choroidal metastases, 1538

with cyclophosphamide and prednisone

in childhood lymphomas, 630

in nodular mixed lymphomas, 262

and pituitary-gonadal function, 2030

with cyclophosphamide, procarbazine and prednisone in nodular mixed lymphomas, 262

and pituitary-gonadal function, 2030

with daunomycin and prednisone, in AML, 280

with daunomycin, prednisone and L-asparaginase, in ALL, 3090

with daunomycin, prednisone and stanozolol, in AML, 1540

in neuroblastoma, and kinetic perturbations in marrow, 882 with nitrogen mustard, procarbazine and prednisone

and pituitary-gonadal function, 2030 and radiotherapy in Hodgkin's disease, 1352

in prostate cancer, 1937

Vitamin D, in multiple myeloma, 1669

VM-26

in bladder cancer, 1882

with cytosine arabinoside, in ALL, 1284

VP-16

in bladder cancer, 1882

clinical trial in advanced neoplasms, 232

in lymphohistiocytic reticulosis with phagocytosis, 2516 with platinum, in small cell carcinoma of esophagus, 1558

Vulvar cancer

biochemical markers in, 948

5'-nucleotide phosphodiesterase isozyme in, 797

Waldenstrom's macroglobulinemia, immunoblastic sarcoma in, 3102

Warts

flat, spontaneous regression of, 2557

verrucous carcinoma, 2849

Water homeostasis, in lung cancer, 2414

Wilms' tumor, 1791

in adults, 1713

Wiskott-Aldrich syndrome, Hodgkin's disease with, 372 Wound healing, adriamycin and radiation affecting, 2805

Author Index—Volume 45

A

Abadir, R. 2051 Abe, K. 330 Abe, M. 40 Abe, S. 84 Aber. R. C. 1025 Abramowsky, C. R. 3108 Adachi, H. 40 Adachi, I. 330 Adcock, L. 2754 Adler, A. 2061, 2074 Advani, S. H. 2843 Aggio, M. C. 1326 Agrup, G. 245 Ahstrom, L. 1632 Akhtar, M. 495 Albertazzi, V. J. 1720 Albores-Saavedra, J. 919 Alcántra-Vazquez, A. 919 Allegra, J. C. 792 Allgöwer, M. 104 Alperin, J. B. 16 Alpert, E. 2500 Al-Sarraf, M. 217 Ambruso, D. R. 2516 Amer, M. H. 217 Amigable, A. N. 78 Amromin, G. D. 2051 Anderson, D. E. 1103 Anderson, E. E. 2208 Anderson, T. 1507 Andrews, M. 2959 Angus, B. 961 Appelbaum, P. C. 1025 Appelgvist, P. 2655 Arbit, E. 381 Arcangeli, G. 2707 Arends, J. 1432 Arima, M. 528 Armstrong, D. 750, 2084 Arnbjörnsson, E. 245 Arneaud, J. 1486 Arnstein, P. 1185 Arseneau, J. C. 2670 Asano, S. 528 Asbury, R. F. 2670 Askin, F. 943, 2759 Attiyeh, F. 1254 Aufses, A. H., Jr. 191 Aur, R. J. 1284

Avery, T. L. 1284

B

Babaian, R. J. 1713, 1775

Badaracco, G. 452 Bagshaw, M. A. 1912, 2717 Baker, H. W. 2917 Balasegaram, M. 795 Balch, C. M. 3012 Band, P. 1273 Barcos, M. 767 Barker, J. L. 625 Barkla, D. H. 1172 Barlock, A. 792 Barlow, J. J. 268 Barnard, D. 318 Barocas, A. 2707 Barone, R. 703 Baroni, C. D. 1549 Barrows, G. H. 1099 Barth, V. 2198 Bartolucci, A. A. 1 Barton, R. Th. 3061 Baserga, R. 1168 Baskies, A. M. 3050 Bass, N. M. 503 Bassett, J. G. 2633 Bateman, J. R. 2240 Bauer, M. 2198 Bauer, W. C. 2849 Baughn, S. G. 2038 Bauman, A. W. 327 Baylin, S. B. 498, 2568 Bearman, R. M. 561 Beattie, C. W. 3004 Beckwith, J. B. 1791 Bedwani, R. N. 2917 Bedwinek, J. M. 2725 Bekerman, C. 1562 Ben-Efraim, S. 2061, 2074 Benjamin, R. S. 1278 Bennett, J. 224, 261, 1185 Benvenuto, J. 1144 Berard, C. W. 261 Berg, J. W. 1073 Berger, P. 2274 Bergevin, P. R. 232 Bergman, S. M. 2149 Berk, S. 387 Berkowitz, R. S. 423 Berlinger, N. T. 1112 Berman, I. J. 764 Bernadou, A. 1569

Bernstein, M. R. 423 Berry, D. 1947 Berry, H. C. 679 Berthier, R. 1540 Bertino, J. R. 224 Besa, E. 2633 Best, P. 961 Beth, E. 1472 Beveridge, R. A. 3050 Bilaniuk, L. T. 2787 Bilski-Pasquier, G. 1569 Bishop, C. R. 2156 Bishop, H. C. 1791 Bitran, J. D. 1562 Black, W. C. 444 Blackshear, P. J. 866 Blackwood, W. 1408 Blaese, M. 372 Bland, K. I. 3027 Blessing, J. A. 2529 Blitzer, P. H. 1467 Blois, M. S. 2684 Blom, H. 1689 Blom, J. 30, 2529, 2830 Bloom, N. D. 2992 Bloomfield, C. D. 232 Blumenschein, G. R. 236, 495, 742, 2524 Blumenson, L. E. 268 Bodey, G. P. 1278, 2017, 2506, 2524 Bonfiglio, M. 2109 Borit, A. 1408 Bosch, A. 2872 Bosl, G. 1498 Boucheix, C. 1569 Bowles, D. 845 Bradford, W. D. 2208 Brady, L. 2744 Brandenburg, J. H. 2872 Braun, D. 750 Braun, D., Jr. 876 Brecher, M. L. 2274 Brennan, M. F. 2805, 2811, 2934 Breslow, N. E. 1791 Bresnick, E. 1047 Breur, K. 1664 Bricker, E. M. 2986 Brinkley, J. R., Jr. 1538 Brockman, R. W. 1199 Brodovsky, H. 735 Broghamer, W. L., Jr. 2659 Brooker, D. 2754

Brossman, S. 2090 Broustet, A. 2816 Brown, A. E. 750 Brown, A. W. 2830 Brown, G. A. 2109 Brown, G. S. 2744 Brown, W. R. 1234 Brownlee, R. W. 599 Bruce, D. A. 2787 Brun, A. E. 670 Buchanan, J. B. 3027 Buchner, A. 2301 Buchok, S. J. 1248 Buchwald, H. 866 Buechley, R. W. 1705 Buick, R. N. 1238 Bunn, P. A. 882, 1300, 1693 Bunn, P. A., Jr. 1683 Burgers, J. M. V. 1664 Burgess, G. H. 427 Burgess, M. A. 742, 2506, 2524 Burghouts, J. T. M. 285 Burke, J. S. 2056, 2364 Bur . P. J. 859 Bu 1. E. 2934 Bus., R. S. 1448 Butler, J. J. 249, 354, 1352, 2778 Butler, W. M. 2830 Buzby, G. P. 2940 Buzdar, A. U. 236, 495, 742, 2524 Byfield, J. E. 703 Bygdeman, M. 720

C

Cadiou, M. 1569 Caillaux, J. M. 2821 Caldwell, W. L. 1768 Callihan, T. R. 372 Calvo, D. B., III. 1278 Camel, H. M. 932, 2759 Campbell, J. A. H. 503 Canellos, G. P. 1556 Capetanakis, J. 2284 Capron, F. 1569 Carabell, S. C. 2787 Carbone, P. P. 224, 261 Carella, R. J. 679 Carlton, C. E., Jr. 1922 Carr. R. I. 460 Carter, J. H. 1068 Casper, S. 1243 Casterline, P. F. 1689 Catalano, R. B. 735 Catalona, W. J. 3050 Cate, C. C. 906 Cavallin-Ståhl, E. K. 670 Cebelin, M. 3108 Centore, D. 3034 Cerottini, J.-C. 130 Chaffey, J. T. 2969 Chalmer, B. 2220 Chan, K. K. 2231 Chan, T. K. 2030 Chandler, J. G. 2395

Chandrasoma, P. 2348 Chang, P. 377, 595 Chapman, P. 2646 Char, D. H. 688 Chard, T. 102 Charles, N. C. 2521 Chatten, J. 609, 833 Chaudhuri, P. K. 3004 Checa, F. 1578 Chen, K. T. K. 1585 Cheng, D. S. 1533 Cheson, B. D. 808 Child, J. A. 318 Chin, H. W. 1458 Chiu, J.-F. 1193 Chlebowski, R. T. 2240 Chong, T. W. S. 2428 Choudhury, A. 3108 Chretien, P. B. 3050 Christensen, J. D. 1432 Christensen, J. M. 1432 Chu, A. M. 2730 Chuang, V. P. 1278 Cianfriglia, F. 1289 Citrin, D. L. 2880 Clark, W. H. 2584 Clarkson, B. D. 2006, 2252 Clifton, M. D. 2051 Cocchiara, R. 938 Cohen, A. M. 709, 2965 Cohen, J. L. 2231 Cohen, M. E. 666 Cohen, M. H. 1300, 1683, 1693 Cohen, M. R. 2225 Colby, T. V. 289, 2364 Cole, T. B. 2038 Coleman, C. N. 2056 Collaborating NSABP Investigators, 349 Collste, L. G. 2389 Comelli, A. 603 Comis, R. L. 2414 Concannon, J. 2744 Condon, S. M. 1199 Coombes, R. C. 102 Cooney, T. 1516 Cooper, D. R. 2633 Cooper, E. H. 318 Cooper, J. S. 679 Cooper, M. R. 662 Cooper, R. R. 2109 Copeland, E. M., III. 3069 Copeland, M. M. 1041 Corbett, S. 318 Corgan, R. L. 1243, 2500 Cornelisse, C. J. 2864 Corrin, B. 2342 Costa, J. 572 Costanza, C. 2607 Costello, W. G. 224, 261 Couderc, P. 112 Cox, C. E. 786 Cox, J. D. 715 Coy, P. 698 Cozzutto, C. 603

Cramer, S. F. 932 Craven, P. A. 1052 Creech, R. H. 735 Crissman, J. D. 2352 Cromie, W. J. 609 Cronqvist, S. E. 670 Crum, C. P. 2395 Cruz-Ortiz, H. 919 Cumes, D. 2717 Cummings, K. B. 1849 Curphey, T. J. 906 Cuttner, J. 232 Cvikovic, E. 1558

D

Dahl, D. 484 Dahl, G. V. 1284 Dahlin, D. C. 149 Dail, D. H. 1486 Dainiak, N. 2177 Daly, J. M. 3069 Daly, P. A. 595 Damin, L. A. M. 1135 Dancuart, F. 2279 D'Angio, G. J. 833, 1791 Danto, L. A. 1720 Darzynkiewicz, Z. 2389 Davey, F. R. 893 David, R. 2301 Davis, T. E. 1768 Dawson, D. M. 545 Dawson, P. J. 2096 De Bernardi, B. 603 DeBoer, G. 991 Deeble, T. J. 1451 Degenshein, G. A. 2992 Dehner, L. P. 1625 DeKernion, J. B. 1937, 1947 Dekker, A. 534 Deland, F. H. 1243, 2500 Delarue, N. C. 1480 Delclos, L. 1980 Delemarre, J. F. 1632 Deligdisch, L. 2564 Dellatorre, D. L. 2225 Dent, P. B. 130 de Pauw, B. 516 DeRubertis, F. R. 1052 Desai, P. B. 2843 Desai, P. R. 2949 Descalzi, M. E. 2670 Desjardins, L. 2593 Desser, R. K. 1562 Dettori, G. 2607 Deutsch, M. 2194 Devereux, D. F. 2805, 2811 Devonec, M. 2389 Devor, E. J. 1705 Dewey, W. C. 2291 Dexter, D. L. 1178 Dicke, K. A. 3075 Dickersin, G. R. 1615 Diebold, J. 1569 Di Gioia, M. 938

Dinshaw, K. A. 2843 Disaia, P. J. 2529 Dispaltro, F. 2738 Doll, R. 2475 Donaldson, E. S. 948 Donaldson, M. H. 2009, 3065 Donegan, W. L. 2042 Donham, K. J. 1073 Doolittle, C. H. 3114 Dorey, F. 2090 Dosoretz, D. E. 1467 Doucette, J. A. 2730 Dow, J. W. 2955 Drago, J. R. 757 Drewinko, B. 1144 Duckett, J. W. 609 Dudrick, S. J. 3069 Duffner, P. K. 666 Dujmović, I. 2265 Duncan, P. R. 1578 Dunnett, C. W. 130 Dunnick, N. R. 1300

E

Ebihara, S. 330 Echelberger, C. 3090 Eddy, J. L. 1300 Egbert, B. 613 Eggleston, J. C. 273, 498 Ehrmann, R. L. 1344 Eilber, F. R. 126 Einhorn, N. 720 El-Domeiri, A. A. 2245 Elliott, T. E. 1720 Ellis, L. D. 1315 Ellison, R. R. 232 Endo, Y. 98 Enjoji, M. 1419 Enzinger, F. M. 401 Eppinger-Helft, M. 280 Erickson, B. 882 Erlandson, R. 1615 Ernst, P. 19 Ersbøl, J. 19 Ervin, T. 1556 España, P. 377 Ettinger, D. S. 2568 Evans, A. E. 833, 1791, 1799 Evans, H. L. 367, 2687 Everts, E. C. 1527 Exelby, A. E. 1799 Exelby, P. R. 3034 Eyre, H. J. 1533 Ezdinli, E. Z. 261

F

Fabich, D. R. 1585, 2337 Fahey, J. L. 2090 Fajardo, L. F. 613 Falkson, G. 232, 1679 Falkson, H. C. 1679 Fang, W.-F. 1060 Faraci, J. A. 3018 Farago, G. A. 1604 Farenwell, V. 1791 Farha, G. J. 973 Farrow, G. M. 1842 Favara, B. E. 2516 Fay, J. T. 2858 Fazekas, A. G. 2998 Federman, M. 2675 Feig, S. A. 2913 Feldman, P. S. 2395 Feldstein, M. L. 1273, 1993 Fender, F. 2712 Fernbach, D. 1791 Ferrucci, J. T., Jr. 2897 Fessas, Ph. 2583 Feun, L. G. 2543 Finch, J. L. 3018 Finkbeiner, J. A. 1370 Fischer, E. G. 2639 Fishburn, R. I. 638 Fisher, B. 349 Fisher, E. R. 349 Fitzpatrick, P. J. 2279 Fitzpatrick, T. B. 2684 Flamant, R. 1632 Flaminio, G. 938 Flehinger, B. 2959 Fleiszer, D. 2998 Fontana, R. S. 1438 Ford, S. S. 882 Fornasier, V. L. 2769 Fournier, D. v. 2198 Fox, J. G. 2573 Fox, R. M. 1005 Fraley, E. E. 1498, 1762 Frankel, L. S. 367 Frankel, S. 703 Franssila, K. O. 653 Fraser, R. 688 Fraser, R. S. 1697 Frates, R. E. 432 Frazier, T. G. 2878 Freeman, A. I. 666, 2227, 2274, 2324 Freeman, M. L. 2291 Freiha, F. 2717 Freireich, E. J. 1144, 2017 Frenning, D. H. 1322 Frias, Z. 1768 Fricks, C. M. 1085 Friedell, G. H. 1823 Friedenberg, W. R. 91 Friedman, M. 1653 Fry, S. E. 1238 Frydecka, I. 362 Fu, Y.-S. 2616 Fujimoto, Y. 98 Fujino, M. 98 Fukaya, T. 1598 Fuller, L. M. 249, 1352, 2778

G

Gaeta, J. F. 1889 Gaillard, W. E. 824 Galicich, J. H. 381 Galton, D. A. G. 2627 Gambetti, P. 484 Gamble, J. F. 249, 1352, 2778 Ganesan, S. 795 Garay, G. 280 Garcia, R. L. 511 Garcia-Guerrero, G. 2830 Garrett, T. J. 2006 Garvin, A. J. 572 Garwicz, S. 670 Gattiker, H. H. 2627 Gautherie, M. 51 Gay, E. C. 948 Gazdar, A. F. 1683 Geestman, E. 516 Gehan, E. A. 1352, 2017, 3065 Gelber, R. 679 Georgievska, B. S. 340 Geraci, D. 938 Gérard-Marchant, R. 1632, 2821 Gerson, J. M. 833 Ghatia, H. M. 2843 Ghavimi, F. 750 Ghironzi, G. 599 Gibbons, R. 1937 Gibson, S. L. 1993 Gilbert, E. F. 1585 Gilbertsen, V. A. 2899 Gilchrist, K. W. 2872, 2880 Gilliland, C. D. 1248 Ginsberg, S. J. 2414 Giraldo, G. 1472 Gittes, R. F. 1957 Glasser, L. 1365 Glaubiger, D. L. 2213 Gleason, E. A. 396 Glick, J. H. 735 Glidewell, O. 30 Gockerman, J. P. 2500 Goedert, M. 104 Goffinet, D. R. 2717 Goh, K.-O. 327 Golbey, R. B. 417, 876, 1558 Goldberg, D. M. 1451 Goldberg, R. S. 2652 Goldenberg, D. M. 1243, 2500 Goldman, L. B. 757 Goldman, P. 1068 Goldrosen, M. H. 1223 Goldstein, D. P. 423 Golomb, H. M. 72, 84 Gomez, L. S. 444 Gomez, R. F. 1066 Gonzalez, R. L. 57 Good, R. A. 1112, 1472, 2006 Goodman, L. 595 Goodwin, W. E. 1791 Gootnick, D. 1193 Gopal, R. 2843 Gordon, R. E. 2564 Gordon, Y. B. 102 Gottlieb, L. S. 2573 Gowing, N. F. C. 1578 Grage, T. B. 866, 2981 Grassi, A. 1289

Gray, L. A., Sr. 3027 Grayhack, J. T. 1896 Greco, C. M. 2908 Greco, M. A. 511 Green, J. A. 808 Green, M. R. 2908 Green, T. H., Jr. 2698 Greenberg, D. M. 799 Greenberg, G. 345 Greenberg, M. 715 Greengard, O. 2383 Greenstein, R. 2897 Griffin, T. W. 49 Griffith, R. 647 Griffiths, C. T. 1344 Grogan, J. B. 2611 Grose, C. M. 51 Grose, W. 2524 Gross, P. A. 750 Grossbard, E. 2006 Grover, W. H. 2793 Grudzinskas, J. G. 102 Guerriero, W. G. 1922 Gulati, S. C. 2252 Gunderson, L. L. 2965 Gunnesson, V. L. 670 Gupta, T. K. D. 3004 Gustafsson, J.-Å. 2001 Gustafsson, S. A. 2001 Gutterman, J. U. 742, 1340, 2017, 2506 Gyorkey, F. 2374

H

Haanen, C. 516 Hada, T. 528 Hadley, W. 2675 Hadzis, J. 2284 Hafez, G. R. 1585, 2337 Hafstrom, L. 245 Hagan, T. A. 3027 Hager, J. C. 1178 Hahn, G. M. 613 Haile, K. 1980 Hällgren, R. 780 Hamaker, R. 693 Hammond, D. 2009 Han, T. 767, 1653, 2102 Hansen, H. H. 1432 Hansen, M. 1432 Hanson, T. A. S. 2149 Hardtke, M. A. 460 Harris, P. A. 2231 Hart, W. R. 2352 Harvey, H. A. 786 Harwood, A. R. 991, 2279, 2769 Hasumi, K. 928 Hawkins, E. 954 Hays, D. 1810, 3065 Hays, T. 2516 Hazebroek, F. 1664 Hazel, J. J. 1458 Hedinger, C. E. 985 Heifetz, L. J. 2778 Heilbrun, L. K. 2506

Heitz, P. U. 104 Hekmat, K. 1498 Henderson, R. L. 2830 Hendrickson, F. 679 Henle, W. 1507 Hennigar, G. R. 553 Herrera-Goepfert, R. 919 Hersh, E. M. 742, 1278, 1340, 2017, 2506 Herskovic, A. 2712 Herskowitz, A. 1010 Herzfeld, A. 2383 Hicks, J. 1185 Hidalgo, G. 280 Higashino, K. 528 Higby, D. J. 469 Higuchi, T. 541 Hilaris, B. S. 417 Hilf, R. 1993 Hillinger, S. 6 Hinds, M. W. 811 Hiratzka, L. F. 1001 Hirose, F. M. 1001 Hirsch, F. R. 1432 Hirshaut, Y. 362 Ho, D. H. W. 1144 Hobbs, C. L. 2940 Hobson, A. S. 2793 Hoeffken, W. 2198 Hoffman, R. 2177 Hogan, T. F. 2880 Hogetveit, A. Ch. 3061 Hogg, G. R. 520 Holland, J. F. 232 Hollard, D. 1540 Holmes, E. C. 3045 Holroyde, C. 735 Holtermann, O. A. 427 Holzach, P. 104 Hong, S. J. 2227 Honig, G. R. 407 Hopfan, S. 417, 2006 Hopfer, R. L. 367 Hopkins, H. A. 2793 Hoppe, R. T. 2364 Hopwood, L. E. 2291 Hornback, N. B. 693 Hortobagyi, G. N. 236, 742, 2524 Hosenpud, J. D. 345 Hoshino, T. 476 Houghton, J. A. 1159 Houghton, P. J. 1159 Hou-Jensen, K. 19 Howarth, C. B. 845, 851 Huang, A. T. 2038 Huberman, M. S. 1683 Hudgins, P. T. 1922 Huff, K. K. 792 Hug, V. 2524 Hughes, E. S. R. 2902 Humbert, J. R. 2227 Humla, S. 2001 Hummer, L. 1432 Hurtubise, P. E. 3102

Hustinx, T. W. J. 285

Hustu, H. O. 630, 845, 851 Huvos, A. G. 3040

1

Icli, F. 261 Iden, M. 2955 Idiculla, A. 2633 Ihde, D. C. 1300, 1683, 1693 Illingworth, S. 318 Imm, F. 824 Ingalls, A. L. 3012 Ioachim, H. L. 1370 Ioannovich, J. 191 Ireland, K. M. 1527 Isbister, J. P. 2249 Isselbacher, K. J. 1212 Ivins, J. C. 167 Iyyer, Y. S. 2843 Izant, R. J., Jr. 3108 Izbicki, R. M. 217

1

Jackson, C. E. 599 Jacobs, E. M. 1782 Jaffe, N. 1815 Jakobiec, F. A. 2593 Janitz, J. 1594 Jaques, D. A. 1689 Jarrett, D. D. 1099 Jarrett, P. 2787 Javadpour, N. 1755, 2166 Jelihovsky, T. 1005 Jemec, B. 2138 Jereb, B. 1632 Jett, J. R. 1438 Jewett, H. J. 1906 Johnson, D. E. 1775, 1937 Johnson, G. J. 261 Johnson, R. E. 2213 Johnson, W. W. 851 Jones, B. 1791 Jones, M. A. 423 Jones, T. K. 2754 Jönsson, P.-E. 245 Josi, C. 191 Jowsey, J. 1669

K

Kademian, M. T. 1768 Kageyama, N. 1598 Kahan, B. D. 2929 Kalamaras, A. K. 340 Kameya, T. 330 Kapadia, S. B. 1315 Kaplan, B. H. 11 Kaplan, H. G. 3114 Kaplan, H. S. 2056, 2439 Karakousis, C. 840 Karanfilski, T. 340 Kardinal, C. G. 2042, 2240 Karp, J. E. 859 Kashmiri, R. 948 Kato, Y. 2181 Katzenstein, A.-L. 943 Kawashima, K. 2181 Kearney, M. M. 167 Keating, M. J. 2017 Kellen, J. A. 1448 Kellermann, G. 1438 Kelsen, D. P. 1558 Kemeny, N. 876, 1135 Kempin, S. 2252 Kennedy, B. J. 232, 1322, 1498 Kennelly, G. M. 698 Kent, H. 2805 Keshgegian, A. A. 293 Keys, D. J. 2725 Khilanani, P. 2156 Kiang, D. T. 1322 Kim, E. E. 1243, 2500 Kim, H. 1379 Kim, H.-S. 954 Kim, T. H. 1458 Kim, U. 767, 1653 Kim, Y. S. 1185 King, G. 1273 King, G. W. 372 King, M. E. 188 Kinkel, W. 2274 Kirsch, R. E. 503 Klahr, C. 6 Klein, E. 427 Klein, G. 2486 Kletzel, M. 367 Kligerman, M. M. 444 Knapp, R. C. 1344 Knudtzon, S. 19 Kobayashi, M. 2181 Kodama, T. 98 Kohno, K.-I. 439 Koide, O. 2119 Kolarić, K. 2265 Kolbusz, W. 1896 Kolonel, L. N. 811 Komaki, R. 715 Kopelovich, L. 1108 Kopf, A. W. 2684 Koppersmith, D. L. 553 Korner, J. M. N. 2902 Korubin, V. H. 340 Kozinger, B. 2006 Krajbich, J. I. 2769 Kramer, E. E. 188 Kramer, S. 2744 Kramer, S. A. 2208 Kraner, J. F. 932 Krause, J. R. 1315 Krauss, S. 1326 Kreutner, A., Jr. 179 Krutchik, A. N. 495 Kubli, F. 2198 Kubonishi, I. 2324 Kühl, C. 1432 Kuller, L. H. 392 Kumar, A. P. M. 845 Kumar, N. 2352 Kummer, R. 2550

Kung, F. 232 Kuntz, A. J. 1029 Kurtz, R. 1558 Kurtz, S. M. 179 Kuwayama, A. 1598 Kyle, R. A. 1669

Ladisch, S. 206, 3090

L

Lagasse, L. D. 2529 Lagegren, J. A. 670 Landberg, T. G. 670 Lange, B. J. 1675 Lange, P. H. 1498, 1762 Langer, B. 1480 Langer, M. 2607 Lanzotto, V. 3075 Laor, Y. 427 Larsen, M. S. 19 Lathrop, J. C. 432 Latif, Z. A. 1326 Latorraca, R. 1585 Lauer, D. H. 401 Lawrence, B. V. 786 Lawrence, W. 3065 Lawson, R. D. 367 Leape, L. L. 1791 .ee, C. 1896 Lee, D.-J. 724 Lee, F. A. 653 Lee, Y. J. 1507 Lee, Y.-T. N. 2231 Leffall, L. D., Jr. 2925 Leger, J. 1540 Legg, M. 2675 Legha, S. S. 236 Leibel, S. 724 Leigh, H. 3086 Lei-Injo, L. E. 795 Lein, J. 280 Leininger, J. R. 1073 Lemerle, J. 1632 Lenhard, R. E. 261 Lennert, K. 1443 Leone, L. 30, 232 Leonhard, S. A. 3102 Lesnick, G. 191 Lessin, L. 372 Levene, M. B. 1344 Levin, B. 996 Levine, A. M. 64 Levine, A. S. 882, 2213 Levine, R. L. 1965 Levitt, L. J. 545 Levitt, S. H. 2754, 2893 Levy, N. 2051 Libshitz, H. I. 1340 Lichtenstein, A. 2090 Lichter, A. 688 Lieberman, P. 1558 Liebner, E. J. 728 Lilleyman, J. S. 899 Lin, J. J. 973 Lindgren, M. L. 670

Ling, C. C. 709 Lingeman, R. 693 Linggood, R. M. 1467 Lippman, M. E. 792 Lipton, A. 786 Litam, J. 3075 Little, J. B. 775 Littman, P. 2787 Liu, H. 349 Liver Cancer Study Group of Japan, 2663 Livingston, R. B. 742 Livolsi, V. A. 967, 2593 Lo, K. W. 209, 795 Lo. T. C. M. 684 Lockwood, W. B. 2659 Loening, S. 1937 Lohsoonthorn, P. 392 Lokich, J. 2675 Longnecker, D. S. 534 Loo, T. L. 1144 Looney, W. B. 2793 Lopansri, S. 2368 Lopez, C. G. 795 Lopez, R. 840 Louis, J. A. 130 Lozzio, B. B. 1326 Lozzio, C. B. 1326 Lucas, V. S. 2038 Lui, A. F. K. 1001 Luna, M. A. 236 Lundqvist, G. 780 Lunke, R. J. 149 Lurain, J. R. 268, 2227 Luyten-Kellermann, M. 1438

N

Ma, D. D. F. 2249 Macchi, A. 280 Macfarlane, J. K. 2998 Macleod, M. S. 2793 Maddox, W. A. 3012 Madeddu, G. 2607 Magill, G. B. 2252 Magpayo, R. 2955 Magrath, I. 1507 Mair, W. G. P. 1408 Majack, R. A. 2858 Makowski, E. L. 3018 Makuch, R. 2213, 3050 Malchiodi, F. 1549 Malcolm, A. W. 2969 Maldague, P. 979 Malkin, A. 1448 Mann, M. P. 764 Mann, R. B. 273 Marck, A. 1344 Marcove, R. C. 3040 Marean, A. R. 423 Margolis, L. 688 Maričič, Ž. 2265 Marmor, J. 613 Marsh, J. C. 224 Martelo, O. J. 3102

Martin, D. S. 1117, 1129, 1135

Martin, R. G. 249, 1352, 2778 Martinez, A. 2717 Marx, J. J., Jr. 91 Matsuda, M. 528 Matthews, M. J. 1683, 1693 Matumoto, Y. 195 Matzner, Y. 2884 Mauch, P. M. 1344 Maurer, L. H. 30, 906 Maurer, R. 985 Mauro, F. 2707 Mavligit, G. M. 1278 Mayfield, J. K. 1815 Maynard, J. A. 2109 Mazur, M. T. 932 McCarthy, W. H. 1604 McCarty, K. S., Jr. 1609 McCarty, K. S., Sr. 1609 McCredie, K. B. 2017, 3075 McCulloch, P. B. 130 McCullough, D. L. 1902 McDermott, F. T. 2902 McDermott, W. V. 2383 McDonald, T. P. 315 McDougall, I. R. 2056 McElwain, T. J. 1578 McEntire, J. E. 1248 McGovern, V. J. 1604 McGregor, F. H. 2917 McHugh, R. 2899 McKegney, F. P. 2220 McManus, M. J. 2160 McNesse, M. 1815 Medini, E. 2893 Medley, B. E. 149 Meeker, W. R. 948 Mehta, F. S. 2330 Mehta, R. G. 1085 Meijer, C. J. L. M. 137, 2864 Melamed, M. R. 2389 Melato, M. 1311 Mendelow, H. 2131 Mendelsohn, G. 273, 498, 2568 Mendelsohn, J. 703 Menon, M. 1929 Merrin, C. E. 1973 Metzger, E. 2702 Meyer, D. 851 Meyer, J. E. 1724, 2698 Meyer, J. S. 932, 2849 Michallet, M. 1540 Michelitch, H. J. 64 Micheloni, F. 599 Mickelson, M. R. 2109 Middleman, P. 1254 Mihm, M. C. 2684 Mihm, M. C., Jr. 2368 Miké, V. 362, 1472 Milgrom, H. 427 Mill, W. B. 647, 653 Miller, A. 3018 Miller, D. G. 2959 Miller, D. R. 750

Miller, E. E. 2940

Miller, L. S. 638, 1875 Miller, M. 2414 Miller, R. 179 Milne, B. J. 2902 Milton, G. W. 1604 Min, K.-W. 2374 Minaberry, D. 2611 Minden, P. 460 Minna, J. D. 1300, 1683, 1693 Minowada, J. 767, 2324 Mirra, J. 126 Mitelman, F. 84 Miyazaki, T. 297 Mokyr, M. B. 2929 Molnar, J. J. 1010 Moloney, W. C. 545 Montague, E. D. 625 Moon, R. C. 1085 Moore, G. E. 1400, 2311 Moore, J. H., Jr. 2395 Moore, J. O. 1609 Morelli, M. 452 Morgan, R. T. 1400, 2311 Mori, K. 40, 603 Morishima, Y. 2181 Morrow, C. E. 2981 Morton, D. L. 126, 3045 Moseley, H. S. 1527 Moses, H. L. 1438 Mostofi, F. K. 1735 Mount, B. M. 1985 Mueh, J. R. 2908 Muggia, F. M. 1782 Muhleman, A. F. 3102 Mullen, D. 3018 Mullen, J. L. 2940 Mulvihill, M. 191 Murad, T. M. 3012 Murata, M. 198 Muriel, F. S. 280 Murphy, G. P. 1889, 1937, 2917 Murphy, J. C. 2573 Murphy, J. T. 2878 Murphy, S. B. 630 Murphy, W. K. 2506 Murphy, W. M. 870 Murrell, J. V. 2955 Murthy, M. S. 2949 Muss, H. B. 662

N

Nachman, J. B. 407 Nagendran, T. 824 Nagy, G. K. 1823 Nair, C. N. 2843 Nakamura, T. 541 Nakano, E. 528 Nardi, G. L. 709 Narisawa, T. 439 Natale, R. B. 2836 Nathwani, B. N. 1334, 1379 Nayak, R. 117, 1129 N-Bassat, H. 2884 Nelson, M. O. 2500 Nemoto, T. 2917 Nervi, C. 452, 2707 Nesbit, M. E., Jr. 2009 Neville, A. M. 102 Ng, R. P. 2030 N'Golet, A. 112 Nickels, J. 2422 Nickerson, H. J. 315 Nicolis, G. 2284 Niehuis, A. W. 78 Nissen, N. I. 19, 232 Nochomovitz, L. E. 1625 Noell, K. T. 638 Noll, W. W. 906 Norbeck, J. M. 2550 Nordenskjöld, B. 2001 Norris, H. J. 2404 North, L. B. 1352, 2778 Norton, J. A. 2934 Nou, E. 780

-

Obara, T. 98 Obrecht, J. P. 104 Ochs, J. J. 2274 Oda, T. 98 Odom, L. F. 460 Oettgen, H. F. 362, 1218 Ofuji, S. 2557 Ogino, A. 1637 Oguchi, M. 2557 Okada, C. 1598 Okagaki, T. 2754 Oken, M. M. 224 Okuda, K. 2663 Okuda, S. 818 Old, L. J. 1218 Oliver, L. 1896 Olson, R. M. 2969 Omura, G. 1 Ono, I. 330 Oohara, T. 1637 Order, S. 724 O'Reilly, R. 2006 Ornitz, R. 2712 Orringer, E. P. 2047 Ortega, J. A. 2009 Ortlip, S. A. 1762 Osafune, M. 528 Osamura, Y. 1598 Oshinsky, R. J. 1060 Otten, U. 104 Owen, O. E. 2225 Ozawa, K. 195 Ozols, R. F. 572

P

Paczynski, V. 1569 Padgug, A. 1585 Page, W. F. 1029 Pajak, T. F. 30, 232, 2240 Paladugu, R. R. 561 Palmer, N. F. 1791 Palmer, P. E. 1424 Pan, S. F. 1315 Panahon, A. 1653 Pangalis, G. A. 1334 Panh, M. H. 112 Papapetrou, P. D. 2583 Papatestas, A. E. 191 Papermaster, B. W. 1248 Pappema, S. 1443 Parija, G. C. 1823 Park, B. H. 469 Park, R. C. 2529 Parker, R. G. 49 Parks, L. C. 2611 Pasquier, B. 112 Pasquier, D. 112 Passe, S. 362, 381 Patchesfsky, A. S. 2913 Patel, M. N. 824 Patel, V. C. 1724 Patt, Y. Z. 1278 Pavlick, F. J. 1726 Pavlovsky, S. 280 Pearson, F. G. 1480 Peckham, M. J. 1578 Pedersen-Bjergaard, J. 19 Pellis, N. R. 2929 Percarpio, B. 3086 Perencevich, N. P. 2969 Perez, C. A. 2725, 2744, 2759 Perez-Tamayo, R. 2744 Periman, P. 372 Perry, M. C. 2051 Perzin, K. H. 967, 2593, 2616 Peters, L. J. 625 Pettengill, O. S. 906 Phair, J. P. 2702 Pickren, J. 1889 Pihl, E. 2902 Pilcher, D. B. 2652 Pincott, J. R. 3095 Pindborg, J. J. 2330 Pinsky, C. M. 362, 1254 Pirofsky, B. 2096 Pistenma, D. A. 2717 Piver, M. S. 268, 2227 Pizzo, P. A. 206 Podolsky, D. K. 1212 Polliack, A. 2884 Pompili, A. 1289 Pontes, J. E. 1937 Pooler, D. M. 2717 Poplack, D. G. 3090 Posner, M. R. 387 Potish, R. 2754 Powers, J. M. 553 Powles, T. J. 102 Pratt, C. B. 845, 851, 1284 Prem, K. A. 1625, 2754 Presnat, C. A. 6 Price, A. B. 2902 Primus, F. J. 1243, 2500 Prioleau, P. G. 943, 2849 Pritchard, D. J. 149 Pritchard, J. 3095

Pritchard, J. D. 1278 Prokocimer, M. 2884 Prout, G. R., Jr. 1832, 1937 Prout, M. N. 387 Pumo, D. 1193 Punt, J. 3095 Pursell, S. 948

Q

Quesada, J. R. 1340 Quinn, L. A. 1400, 2311 Quinol, L. 703

Raaf, J. H. 1019

R

Raaphorst, G. P. 2291 Raghavan, D. 1005 Ralt. D. 1066 Ramage, C. 961 Raney, R. B., Jr. 3065 Ransom, J. L. 845 Rao, B. 1254 Rao, U. 840 Rappaport, H. 561, 1334, 1379 Ratcliffe, J. G. 102 Ratcliffe, R. L. 2670 Ray, P. K. 2633 Raymond, U. 638 Raynal, F. 2816 Reaman, G. H. 3090 Reckard, C. 996 Reddick, R. L. 64 Redmond, C. K. 349, 392 Rees, W. V. 3045 Reibel, J. 2330 Reich, L. 2252 Reid, H. A. S. 2342 Reid, R. H. 2096 Reiffers, J. 2816 Reigel, D. H. 2194 Rendler, S. 1010 Reynes, M. 1569 Reynolds, H. M., Jr. 3069 Rhoads, J. E. 1090, 2438 Rhoads, J. E., Jr. 2633 Riccio, A. 1289 Richards, F., II. 662 Richardson, M. F. 2830 Richardson, R. G. 49 Richardson, W. W. 2342 Richie, J. P. 1957 Richman, S. P. 742 Riddell, R. 996 Riesing, K. S. 2702 Rife, C. C. 1842 Risberg, B. 2422 Riseborough, E. J. 1815 Ritenour, E. R. 2793 Rivera, G. 1284 Rizo, M. 2400 Robboy, S. J. 1615, 2646 Robert, F. 1 Robertson, D. I. 520 Robichaud, K. 206

Robinson, D. S. 3045 Robinson, J. 833 Robinson, L. L. 2009 Rockette, H. 349 Rockowitz, N. 1066 Rodgers, R. W. 1352, 2778 Roed-Petersen, B. 2330 Roessmann, U. 484 Rogers, C. C. 2712 Roggli, V. L. 954 Rohde, T. D. 866 Romsdahl, M. M. 1264 Rorke, L. B. 2787 Rorsman, H. 245 Rosato, E. F. 2940 Rose, B. 460 Rose, C. 19 Roselle, P. 2550 Rosen, G. 750, 3040 Rosenberg, S. A. 2188 Rosenfelt, F. 2188 Rosenshein, N. B. 2568 Rosenthal, D. S. 545 Rosenthal, S. N. 2670 Ross, W. E. 882 Rossini, A. 2675 Roth, A. 2265 Rothouse, L. S. 2858 Rotman, M. 2744 Rowland, C. W. 2878 Rowlands, B. J. 3069 Rowley, J. D. 84 Rubin, P. 2744 Rundles, R. W. 1609 Russo, C. 280 Ryan, S. M. 2878 Rycheck, R. R. 392 Ryser, H. J.-P. 1207

5

Saccomanno, G. 1273 Saeki, Y. 108 Safai, B. 1472 Saito, R. 1052 Saji, K. 1637 Sakamoto, A. 928 Sakarelou, N. P. 2583 Salmo, M. 2655 Salmon, S. E. 1238 Salvatori, V. 469 Salzman, F. A. 684 Samson, M. K. 2543 Samuels, M. L. 3075 Sandberg, A. A. 84 Sanders, D. E. 1480 Sanders, R. 724 Sandstedt, B. 1632 Sanerkin, N. G. 582 Sanfilippo, L. J. 2738 Sani, B. P. 1199 Santa Cruz, D. J. 1646, 2849 Santen, R. J. 786 Santoro, E. 2738 Santos, M. 280

Sather, H. N. 2009 Sato, C. 2374 Sato, K. 2119 Sato, M. 297 Saunders, W. 2056 Savlov, E. D. 1993 Savoca, J. 1066 Sawyer, R. C. 1117, 1129 Scanlon, E. F. 2949, 2955 Schafrank, M. 2521 Schechter, G. P. 78 Scheffer, E. 137, 2864 Schein, P. 1507 Scheiner, E. 2252 Schell, M. 2712 Scheres, J. M. J. C. 285 Schiffman, R. 158, 2428 Schmidt, J. D. 1937 Schmucki, O. 985 Schnaufer, L. 833 Schottenfeld, D. 2959 Schouwenburg, P. F. 2258 Schreibman, B. 2992 Schuman, B. M. 599 Schuman, L. 2899 Schut, L. 2787 Schutt, A. J. 1199 Schwartz, A. B. 2913 Schwartz, G. F. 2913 Schwartz, R. A. 427 Schwarz, J. 2213 Schwarz, M. A. 2506 Schweinle, J. E. 16 Scott, W. W. 1929, 1937 Seagren, S. 703 Segura, J. W. 1842 Seitz, C. B. 1533 Sellin, J. 996 Semple, T. U. 1400, 2311 Serafimov, N. Z. 340 Seydel, H. G. 2744 Shaber, G. S. 2913 Shackney, S. E. 882 Shah-Reddy, I. 2156 Shaikh, B. S. 1025 Shalev, M. 2573 Shanks, E. 851 Sharp, T. 703 Sharpless, T. K. 2389 Sharpton, T. R. 460 Shaw, H. M. 1604 Shen, S. C. 306 Shen, W.-C. 1207 Sherlock, P. 2959 Shidnia, H. 693 Shiels, R. 724 Shimaoka, K. 1653 Shimosato, Y. 330 Shinnar, M. 2965 Shinozuka, H. 534 Shipley, W. U. 709 Shirakawa, S. 108 Shirasuna, K. 297 Shull, J. H. 2955 Shullenberger, C. C. 249, 1352, 2778 Siddiqui, B. 1185 Siegelman, S. 724 Sierocki, J. S. 417, 2521 Silberman, T. L. 315 Silfverswärd, C. 2001 Silver, R. T. 232 Silverberg, I. 2240 Silverberg, S. G. 3018 Silverstein, M. 261 Simmons, A. V. 318 Simms, E. B. 1693 Simon, R. 572, 1507, 2890 Simson, I. W. 1679 Singh, W. 961 Sinks, L. F. 666, 2274 Sirlin, S. 1108 Sjöberg, B. 720 Sjögren, H. O. 1229 Skeel, R. T. 224 Skinner, D. G. 1713, 1866 Sklaroff, R. B. 214 Slack, N. H. 1937 Smart, E. K. 786 Smedal, M. I. 684 Smeltzer, C. 2955 Smeulders, J. 516 Smith, J. L. 2687 Smith, J. L., Jr. 354 Smith, M. E. 1248 Smith, T. L. 2017 Smits, A. P. T. 285 Snow, G. B. 2258 Sober, A. J. 2684 Soloway, M. S. 870, 1856, 1937 Songster, C. L. 1099 Soong, S.-J. 3012 Sordillo, P. 2252 Sorenson, G. D. 906 Sørensen, H. M. 19 Soto, E. A. 1823 Sotto, J. J. 1540 Soule, E. 167, 3065 Soumerai, S. 396 Spanò, M. 2707 Spati, B. 318 Spencer, H. 1486 Sperry, K. 2434 Spiegel, H. E. 3050 Spiegelman, S. 1117, 1129 Spitler, L. E. 57 Spitzer, G. 2017, 3075 Spremulli, E. 2500 Springer, G. F. 2949 Spruance, S. L. 808 Spurr, C. L. 662 Stabile, R. J. 2738 Stachura, I. 2131 Stadler, G. A. 104 Stanley, K. 2744 Starace, G. 452 Stavrič, G. D. 340 Stearns, M. 1254 Stefani, S. 728 Stein, J. A. 2061, 2074 Stein, T. P. 2940

Steinherz, P. G. 750 Stephens, R. L. 2543 Stevens, K. R., Jr. 1527 Stolfi, R. L. 117, 1129 Stone, E. 2506 Stone, J. 318 Storm, F. K. 126 Stover, D. E. 2836 Stratigos, J. 2284 Strauchen, J. S. 2149 Streelman, D. H. 2955 Strobel, H. W. 1060 Stroehlein, J. R. 1019 Stutzman, L. 469, 1653 Suárez, A. 280 Subhani, Z. 2564 Subramanian, V. 767 Suda, K. 104 Sugano, H. 928 Sugden, P. J. 899 Sundaresan, N. 381 Sundbarg, G. 670 Sutherland, J. V. 3018 Sutow, W. W. 3065 Suzuki, H. 2181 Svahn-Tapper, G. O. 670 Sweeney, E. C. 1516 Sylvester, J. 2955

Tabocchini, A. 2707 Tagami, H. 2557 Takahashi, M. 40 Takahasi, T. 439 Takanohashi, M. 1598 Takeyama, H. 2181 Talerman, A. 2169 Talwalkar, G. V. 2843 Tamura, H. 818 Tan, C. 2084 Taniguchi, H. 818 Tanimura, M. 198 Tannenbaum, S. R. 1066 Tao, L. C. 1480 Tarro, G. 938 Tashima, C. K. 236, 742 Tatsuta, M. 818 Tavassoli, F. A. 2404 Tavassoli, M. 2400 Tavcar, D. 2646 Taylor, C. R. 985 Taylor, R. J. 973 Taylor, W. F. 149 Tayton, K. J. J. 413 Tebbi, C. 666 Tefft, M. 1791, 3065 Tenenbaum, M. S. 932 Thibault, L. E. 2811 Thomas, P. R. M. 666 Thorning, D. 345 Threatt, B. 2550 Till, K. 3095 Tobe, R. 195 Tobin, E. H. 2992

Tobin, M. S. 224 Todd, D. 2030 Tohma, H. 1637 Toledano, S. R. 1675 Toonkel, L. M. 249 Torri, S. 735 Tosca, A. 2284 Tournade, M. F. 1632 Townes, P. L. 327 Traganos, F. 2389 Triche, T. J. 64, 2811 Tsao, D. 1185 Tsou, K. C. 209, 795 Tsukada, Y. 2227 Tsuneyoshi, M. 1419 Tubergen, D. G. 460, 2516 Tulliez, M. 1569 Tulloh, M. 30 Turner-Chism, V. 2506 Tutton, P. J. M. 1172 Tuveri, G. 1311

U

Ucci, A. A. 1424 Uchida, A. 476 Uchino, H. 108, 541 Uehara, N. 108 Ulbright, T. M. 1646 Ulfelder, H. 3008 Ullman, N. S. 2550 Ungerer, J. 3086 Uro-Oncology Research Group, 728 Utsunomiya, J. 198 Utz, D. C. 1842

V

Vaitkevicius, V. K. 217 Valdivieso, M. 3075 Vana, J. 2917 Van Bogaert, L.-J. 979 Van Der Loo, E. M. 2864 Van Der Velde, E. A. 2864 Van DeVoorde, J. 948 Van Dobbenburgh, O. A. 1664 Vanel, D. 2821 Van Nagell, J. R., Jr. 948 Van Putten, L. M. 2258 Van Scott, E. J. 2225 Van Vloten, W. A. 137, 2864 Varano, M. 735 Varco, R. L. 866 Vardiman, J. W. 72 Varela-Duran, J. 1625 Varelzidis, A. 2284 Varia, M. A. 2047 Variakojis, D. 72 Vassilopoulos, P. P. 866, 2981 Vaughan, W. P. 859 Velasco, M. E. 484 Velazquez, W. S. 1352 Verma, D. S. 3075 Vernick, L. J. 392

Viloria, J. B. 1697 Vogl, S. E. 11 Von Fliedner, V. 469 Vos, A. 1664 Vosika, G. J. 1322 Voûte, P. A. 1632, 1664 Vrba, P. 2955 Vuletin, J. C. 511

Wachtel, A. E. 3034

W

Wada, T. 98 Wagener, D. J. T. 516 Wågermark, J. 2422 Waisman, J. 1713 Wajsman, Z. 1889 Wald, N. 1315 Walker, M. 824 Walker, M. J. 3004 Wall, J. 2434 Wallace, S. 1278 Wallgren, A. 2001 Wallstrom, A. C. 2573 Walsh, J. W. 2639 Walsh, P. C. 1906, 1929 Walzer, P. D. 2084 Wanebo, H. J. 362, 1254 Wang, C. 2030 Wang, C. C. 1467 Wang, N.-S. 1697 Warnke, R. A. 289 Wartofsky, L. 1689 Watanabe, E. 2181 Watanabe, S. 528 Watanabe, Y. 2119 Watson, L. 1273 Watson, R. C. 2836 Watts, C. 2051 Webber, B. L. 2811 Weber, E. 2198 Webster, J. H. 1458 Weichselbaum, R. R. 775 Weiland, L. H. 1199 Weiner, J. 2240 Weinhouse, S. 2975 Weisberg, B. F. 3027 Weisman, P. 2084 Weiss, J. F. 3050 Weiss, R. B. 30, 232 Welch, W. R. 1615 Wells, S. A., Jr. 786 Welsch, C. W. 2160 Wessels, H. 516 Weston, E. 1558 Westring, D. W. 2880 Wheeler, J. E. 293 Wheeler, L. A. 1068 White, D. R. 662 White, D. S. 786 Whitehead, J. S. 1185 Whitmore, W. F., Jr. 2389 Wick, M. M. 2684 Wiedersberg, H. 1594 Wiernik, P. H. 377, 595

Wilkerson, J. A. 3u12 Will, L. A. 1073 Williams, L. J., Jr. 1726 Williams, R. D. 1762 Williams, S. E. 2899 Wilson, J. F. 715 Wilson, R. E. 2019 Wiltshaw, E. 2627 Winawer, S. J. 1093, 2959 Winchester, D. P. 2955 Winston, K. R. 2639 Winzelberg, G. G. 2897 Wittes, R. 5 417, 2521 Wolfe, H. J. 1424 Wolff, J. A. 1791 Wollner, N. 750, 3034 Wolos, J. A. 893 Wong, P. 57 Wood, A. 1284 Wood, W. C. 2730, 2965 Woodcock, T. 1117, 1135 Woods, L. K. 1400, 2311 Woodward, K. T. 638 Woolery, C. T. 2878 Worke, B. T. 638 Worthy, T. S. 318 Wortman, J. 1609 Wrange, Ö. 2001 Wright, K. A. 684 Wurster-Hill, D. H. 906 Wust, C. J. 1326

Y

Yabumoto, E. 40 Yagoda, A. 214, 876, 1879, 2836 Yam, L. T. 2400 Yamada, K. 2181 Yamada, T. 195 Yamagishi, H. 2929 Yamaguchi, T. 439 Yang, L. Y. 1144 Yates, J. W. 220, 2652 Yatsuhashi, M. 2698 Yoo, D. 78 Yoshida, J. 1598 Yoshii, M. 40 Young, C. W. 1117, 1135 Young, R. C. 572 Yu, G. S. M. 1010 Yuhas, J. M. 444 Yunis, E. J. 306

Z

Zander, A. 3075 Zaravinos, T. 11 Ziegler, J. 1507 Zielke-Temme, B. C. 1527 Zighelboim, J. 2090 Zimmerman, R. A. 2787 Zincke, H. 1842 Zlotnick, A. 460 Zucker, J. M. 2821 Zwartjes, W. J. 2516

Subject Index—Volume 46

No. 1, July 1, pp. 1-232

No. 2, July 15, pp. 233-432

No. 3, August 1, pp. 433-632

No. 4, August 15, pp. 633-858

August 15, Suppl., pp. 859-1086

No. 5, September 1, pp. 1087-1306

No. 6, September 15, pp. 1307-1508

No. 7, October 1, pp. 1509-1714

No. 8, October 15, pp. 1715-1902

No. 9, November 1, pp. 1903-2122

No. 10, November 15, pp. 2123-2334

No. 11, December 1, pp. 2335-2542

No. 12, December 15, pp. 2543-2758

December 15, Suppl., pp. 2759-2964

A

Abdominal wall, anterior, lymphangiosarcoma of, 1228 ABH antigens, in bladder tumors, 1366

Acid phosphatase

isoenzyme in B-cell lymphomas, 2676

prostatic, in prostatic cancer with metastasis, 706

Ackerman's tumor of larynx, 1617

ACTH

ectopic, in lung cancer, 347

plasma levels in small-cell carcinoma of lung, 2062 production by gastric apudoma, 1263

production by thyroid medullary carcinoma, 2667

Actinomycin D

in breast cancer, 1081

in prostate adenocarcinoma of Nb rat, 273

Adenocarcinoma. See anatomic sites of tumors

Adenoid cystic carcinoma

chemotherapy in, 453

parotid, sebaceous differentiation in, 1405

of uterine cervix, 1631

Adenoma

pituitary, large mitochondria in, 537 of upper lip, canalicular, 552

Adenosquamous carcinoma

of pancreas, 1192

thyroid, 1833

Adjunct and multimodality therapy

in acute myelogenous leukemia, chemotherapy and immunotherapy in, 2142

in breast cancer

chemotherapy, endocrine therapy and immunotherapy in, 2805

chemotherapy with hyperalimentation in, 642

and estrogen receptor status, 2805 and findings of NSABP, 908, 999, 1009

in local recurrences, 647

radiation, topical silver nitrate and skin grafts in, 647 surgery and chemotherapy in, 999, 2373

surgery and radiation in, 908, 1009

in cloacogenic carcinoma, surgery and radiation in, 828

in epidermoid carcinoma of head and neck, chemotherapy and radiation in, 1919

in Ewing's sarcoma, radiation and chemotherapy in, 1969 in Hodgkin's disease, chemotherapy and radiation in, 233, 1509, 2126, 2131

in lung cancer

chemotherapy, radiation and immunotherapy in, 2335

with Lambert-Eaton syndrome, 1123

radiation and chemotherapy in, 279, 1123, 2550 in small cell carcinoma, 2335, 2550

in pancreatic carcinoma

chemotherapy and radiation in, 1518

radiation and surgery in, 1945 in retinoblastoma, radiation and chemotherapy in, 1913

in soft-tissue sarcomas in young patients, surgery and radiation or chemotherapy in, 621

Adrenalectomy, in breast cancer, 1061

Adriamycin

in ACTH-producing gastric apudoma, BCNU and ftorafur with, 1263

in acute lymphocytic leukemia, in Djerassi-methotrexate-BOMB regimen as maintenance therapy, 1093

in acute myelogenous leukemia

in intensive chemotherapy regimen for children, 241 vincristine, prednisolone, cytosine arabinoside and

BCG with, 2142

in acute nonlymphocytic leukemia, cytosine arabinoside, 6-thioguanine, prednisone and vincristine with, 663

in breast cancer, 1079

cyclophosphamide with, 2380

cyclophosphamide and hyperalimentation with, 642

cyclophosphamide and platinum with, 1082

low-dose, 433

cardiotoxicity of, 1109

with cyclophosphamide and 5-fluorouracil, and hepatitis B antigen activity, 1117

in endometrial carcinoma, cyclophosphamide, 5-fluorouracil and vincristine with, 2162

in esophageal carcinoma, 2149

in genitourinary neoplasms, platinum with, 1715

in head and neck cancer recurrence, bleomycin, 5-fluorouracil methotrexate and vitamin A with, 1324

in hepatocellular carcinoma, 2717

in Hodgkin's disease

bleomycin, dacarbazine and vinblastine with, plus other drugs and radiation, 233

bleomycin, DTIC, CCNU and prednisone with, in MOPP-resistant disease, 2349

and leukocyte cytotoxicity against herpes-infected cells,

in lung cancer

CCNU and methotrexate with, 34

procarbazine with, 256

in small-cell cancer, cyclophosphamide, VP-16 and BCG-MER with, 2543

in lymphomas, cyclophosphamide, vincristine and prednisone with, 2356

in ovarian carcinoma, cyclophosphamide with, 669

in pancreatic carcinoma, 5-fluorouracil and mitomycin C with, 2014

in prostatic cancer

BCNU and cyclophosphamide with, 2389

in Nb rat, 273

in sarcomas, metastatic

cyclophosphamide and DTIC with, 1722

methyl CCNU with, 446

in testicular cancer, platinum, bleomycin and vincristine with, 1339

Aging, and susceptibility to cancer, 1307

Alaskan natives, nasopharyngeal carcinoma in, 2100

Albumin synthesis, in early cancer, 71

Alpha fetoprotein in serum

in germ cell tumors, 380, 1213

in liver cancer, 736

Alveolar proteinosis, in chronic myelogenous leukemia, 1763 Ameloblastoma, principles in treatment of, 2514

Amino acid naphthylamidase activity, in myeloid leukemia, 325

Aminoglutethimide, in metastatic breast cancer, 1066

cAMP levels, in adult acute leukemia, 102

Amyloidosis, and basal cell carcinoma, 2693

Androgen receptors

in breast cancer

clinical usefulness of, 2880

fluorescence microscopy of, 2825

in juvenile nasopharyngeal angiofibromas, 547

Anemia

aplastic, and chest radiography after marrow transplants in children, 1741

Fanconi, and neoplasia development, 1401

pure red cell aplasia with Leser-Trelat sign in bile duct adrenocarcinoma, 1657

Angiofibroma, juvenile nasopharyngeal, androgen receptors in, 547

Angiosarcoma

arising in plexiform neurofibroma, 605

of breast, 368

metastatic, chemotherapy in, 446

Anthracyclines, cardiotoxicity of, 1109

Antidiuretic hormone levels, in small-cell carcinoma of lung, 2062

Anus, cloacogenic carcinoma of, 828

Aorta, sarcoma of, with vascular prosthesis, 398

Apocrine differentiation, in breast carcinoma, 2463

Apudoma

cutaneous, 1810

gastric, ACTH-producing, 1263

of jejunum, 713

of liver, and pancreatic polypeptide production, 1146 and melanocytic bronchial carcinoid tumor, 1843

Arabinosyl cytosine. See Cytosine arabinoside

Argon ions, in particle radiotherapy, 633

Arterial infusions. See Chemotherapy, intra-arterial

Asbestos disease, latency of, in insulation workers, 2736 L-Asparaginase, in acute lymphocytic leukemia

in Djerassi-methotrexate-BOMB regimen, 1093

in intensive chemotherapy regimens for children, 241

methotrexate with, 2004

and strokes in childhood, 1548

Aspartate aminotransferase activity, in lung and intestinal tissue, 2047

Astrocytomas, molecular grading of, 303

Ataxia-telangiectasia, lymphomas in, 692

Atherosclerosis, and susceptibility to cancer, 1307

Autoradiography, for ³H-TdR labeling index, and treatment of acute leukemia, 2298

Axillary metastasis, in occult noninvasive breast cancer, 1298

Azacytidine, in acute nonlymphocytic leukemia, 22

В

Bacteremia, Listeria, in CLL, 619

Bacterial metabolic activity, intestinal, affected by dietary fiber, 2430

Basal cell carcinoma

amyloidosis with, 2693

metastatic, 748

multiple nevoid, 1456

BCG immunotherapy

in acute lymphoblastic leukemia, 2577

in acute myelogenous leukemia, chemotherapy with, 2141

in acute nonlymphocytic leukemia, cytosine arabinoside and 6-thioguanine with, 22

and antibody responses to mycobacterial antigens, 2195

in breast cancer, chemotherapy and hormonal therapy with, 2805

efficacy of different preparations

in line 10 hepatoma, 488

in postoperative rat mammary carcinoma, 500

granulomatous hepatitis from, 1759

in lung carcinoma, small-cell, chemotherapy and radiotherapy with, 2335

in melanoma

and antibody-dependent cellular cytotoxicity, 1135 and anti-T antibody levels, 1378

methanol extract residue (MER)

with chemotherapy in small-cell carcinoma of lung, 2543 with vindesine in colorectal cancer, 463

and methods for inactivation of BCG, 480

BCNU

in ACTH-producing gastric apudoma, adriamycin and ftorafur with, 1263

in acute lymphocytic leukemia, in intensive chemotherapy regimens for children, 241

in breast cancer, 1081

in lymphomas, cyclophosphamide, vincristine and prednisone with, 29

in prostatic cancer

adriamycin and cyclophosphamide with, 2389 in Nb rat, 273

Bile duct cancer

hilar, treatment of, 415

intraoperative radiotherapy in, 2179

with Leser-Trelat sign and pure red cell aplasia, 1657

Biopsy

of bone marrow

in chronic lymphocytic leukemia, 1422

imprint preparations of, 173

needle aspiration, in breast cancer diagnosis, 947

Bladder tumors

and ABH antigen reactivity, 1366

carcinoma

maytansine trial in, 1104

platinum and adriamycin in, 1715 production of hCG, 355 transitional cell, regression of, 1499 and urinary CEA levels, 1802 metastasis from breast cancer, 229 papilloma, inverted, 64 and urothelial susceptibility to tumor cell implantation, 1158 Blastoma, pulmonary, 1389 Bleomycin in breast cancer, 1081 in cervical cancer, mitomycin C with, 2159 cytotoxicity enhanced by DDC, 2360 in head and neck carcinoma platinum with, 1919 recurrent, adriamycin, 5-fluorouracil, methotrexate and vitamin A with, 1324 in Hodgkin's disease adriamycin, dacarbazine and vinblastine with, plus other drugs and radiation, 233 in MOPP-resistant disease, adriamycin, DTIC, CCNU and prednisone with, 2349 in melanoma, metastatic, DTIC, CCNU and vincristine with, 2346 in testicular cancer, platinum and vincristine with, 1339 Body composition, in cachexia from diseases, 2041 Bombay Sindhis, cancer in, 2107 Bone giant cell tumor of, recurrence of, 1641 hemangioendothelioma of, 804 leiomyosarcoma of, 1270 sarcoma of. See Osteosarcoma Bone marrow biopsy of in chronic lymphocytic leukemia, 1422 imprint preparations of, 173 lymphoma of, isolated, 1767 necrosis of, 2168 plasma cells in multiple myeloma in young men, 1397 in small-cell anaplastic carcinoma of lung, 206 transplants in children, chest radiography after, 1741 Books received, 2355 Bordetella pertussis immunotherapy, compared to BCG substrains, 500 prophylactic radiation in bronchogenic carcinoma, 279 tumors of. See Intracranial tumors angiosarcoma of, 368 cancer of adjuvant therapy in. See Adjunct and multimodality therapy, in breast cancer adrenalectomy in, 1061 apocrine differentiation in, 2463 bilateral, and Peutz-Jeghers syndrome in family, 815 and carcinoembryonic antigen in milk, 2091 causes of death in, 162 cell kinetics of, 2634 changing concepts in, 859 CT scanning in, 939 detection demonstration projects, 1084 detection of early disease, 926 developmental pathology of, 905 endocrinology of, 874

epidemiology of, 865 in left-sided disease, 1705

estrogen receptors in, 2759. See also Estrogen receptors, in breast cancer ethical considerations in treatment of, 1031 familial mammographic parenchymal patterns in, 2433 frozen section biopsy in, 947 hyperalimentation with chemotherapy in, 642 immunologic responsiveness in, 893, 1746 and informed consent for therapy, 1042 from low-dose radiation, 868 in males estrogen receptors in, 1781 familial, 2697 management of local recurrences in, 647 maytansine trial in, 1104 metastasis of adriamycin-cyclophosphamide in, 2380 aminoglutethimide in, 1066 to bladder, 229 chemotherapy in, 1079 and estrogen receptor assay to predict response to hormonal therapy, 2779 and hormonal therapy response as prognostic factor, low-dose adriamycin in, 433 in occult noninvasive disease, 1298 radiation therapy in, 1075 nonpalpable needle localization of, 950 specimen radiography of, 950 treatment of, 980 oophorectomy in, 1061 pathologic findings related to treatment failure, 908 pathology affecting management of, 961 prednimustine in, 253 pre-invasive, 919 preoperative and follow-up procedures in, 977 progesterone receptors in. See Progesterone receptors, in breast cancer progestin therapy in, 2369 psychologic adaptation to, 1045 radiation in, 988, 995 combined external and interstitial methods, 1360 after radiation for postpartum mastitis, 2257 and Reach for Recovery program, 1059 retinoids affecting cultured tumor cells in, 2203 and rights of patients in decision-making, 1035 risk factors in, 1280 screening in. See Screening program, for breast cancer and self-examination techniques, 408, 930 and steroid hormones in urine after mastectomy, 1087 surgery in, 983 chemotherapy with, 2373 and management of remaining breast, 1026 and postoperative radiation, reconstructive surgery after, 1053 thermography and ultrasound in detection of, 933 in Tunisia, 2741 urinary polyamines in, 741 viral-related proteins in, 879 cystosarcoma phyllodes of, tubular carcinoma in, 1863 lesions of and copper/zinc ratio in serum, 2682 α-lactalbumin in, 1775 metastasis to, from rhabdomyosarcoma in childhood, self-examination techniques, 408, 930

Brenner tumors

histochemistry of, and CEA presence, 2617

histology and ultrastructure of, 2607

Broad ligament tumors, ultrastructure of, 2273

Bronchial carcinoid

and fibrillary inclusions in cytoplasm, 144

melanocytic, 1843

with ovarian metastasis, 543

Bronchogenic carcinoma. See Lung, cancer of

Bronchoscopy, fiberoptic, in lymphomas, 1476

C

Cachexia in diseases, body composition in, 2041

Cadaverine, urinary, in breast cancer, 741

Calcitonin

ectopic, in lung cancer, 347

serum levels in small-cell carcinoma of lung, 2062

Calcium, hypercalcemia in chronic myelogenous leukemia, 1174

Canada, colorectal cancer in Nova Scotia, 420

Canalicular adenoma, of upper lip, 552

Candida infections in lymphomas, and defective monocyte function, 299

Carbon ions, in particle radiotherapy, 633

Carcinoembryonic antigen

in Brenner tumors, 2617

in gastric juice, in gastric cancer, 2686

in milk of breast cancer patient, 2091

serum levels

in breast cancer, and estrogen receptor status, 2846

and liver tumor volume, 266

urinary

in bladder carcinoma, 1802

in bladder papilloma, inverted, 64

Carcinoid tumors

bronchial

and fibrillary inclusions in cytoplasm, 144

melanocytic, 1843

with ovarian metastasis, 543

gastric apudoma, ACTH-producing, 1263

of ovary, strumal, 2019

Carcinoma. See anatomic sites of tumors

Cardiotoxicity, of anthracyclines, 1109

Carotid body tumors

familial, 2107

paraganglioma, 2623

Cascade theory of metastatic spread, 2312

Castleman Award, 1949

Castleman's disease, 730

Cauterization, and tumor cell implantation on urothelium,

1158

Cavitation of pulmonary metastases, after chemotherapy, 1329

CCNU

in breast cancer, 1081

in Hodgkin's disease

in MOPP-resistant disease, adriamycin, bleomycin, DTIC and prednisone with, 2349

vinblastine, prednisone and procarbazine with, 654

in lung cancer

advanced epidermoid, methotrexate and adriamycin

cyclophosphamide and methotrexate with, 256 plus prophylactic radiation, 279

in melanoma, metastatic, DTIC, bleomycin and vincristine with, 2346

methyl CCNU

in colorectal carcinoma, 1536

in pancreatic carcinoma, 5-fluorouracil and radiotherapy with, 1518

in sarcomas, metastatic, adriamycin with, 446

Cell markers

in diffuse large cell lymphomas, 1428

in giant lymph node hyperplasia, 730

in leukemia secondary to Hodgkin's disease, 725

Cerebral embolism, from mucin, 1608

Cerebrospinal fluid, paraprotein analysis in IgD myeloma, 153

Cerebrovascular insults, in childhood ALL, 1548

Cervix uteri cancer

adenoid cystic carcinoma, 1631

bleomycin and mitomycin C in, 2159

cryosurgery in, 2315

and cytotoxic blocking activity in serum, 2573

maytansine trial in, 1104

parametrial implants in, 1485

particle radiotherapy in, 633

Chemodectomas, carotid body, 2623

Chemotherapy. See also specific therapeutic agents

in acute myelogenous leukemia, immunotherapy with, 2141

in adenocystic carcinoma, 453

adjunctive use of. See Adjunct and multimodality therapy

in breast cancer, 1079

and estrogen receptor status, 2809, 2814, 2919, 2922,

2925, 2928, 2961

hormonal therapy and immunotherapy with, 2805

hyperalimentation with, 642

in metastatic disease, 439, 1079

and response to prior hormonal therapy, 438

surgery with, 2373

and cavitation of pulmonary metastases, 1329

in esophageal carcinoma, 2149

and hepatitis B antigen activity, 1117

in Hodgkin's disease

new four-drug combination in, 654

radiotherapy with, 2126, 2131

intra-arterial

in metastatic colorectal carcinoma in liver, 261

microencapsulated mitomycin C in renal artery, 14 and plasma CEA levels related to tumor volume, 266

intrathecal, and maintenance regimen for childhood ALL, 1093

intravenous

continuous hydroxyurea infusions, 455

high-dose methotrexate in, and immune complex formation, 471

in lung cancer, 256

advanced epidermoid disease, 34

radiotherapy with, 2550, 2557

and BCG immunotherapy, 2335

in small-cell carcinoma, 2335, 2550, 2557

in lymphomas, 2356

in pemphigus vulgaris, and squamous carcinoma development, 1374

in retinoblastoma, 1913

in sarcomas, metastatic, 446

Chest radiography, after marrow transplants in children,

Children

digital fibromatosis in infants, 2238

erythrophagocytic lymphohistiocytosis, familial, 468, 2566 fibrosarcoma, congenital, 77

hepatocellular carcinoma and hepatitis B surface antigen in, 1612

Hodgkin's disease, and long-term results of treatment, 2123 laryngeal carcinoma, 1683

leukemia, congenital, 109. See also Leukemia

leukocyte migration inhibition in ALL, 293

mediastinal mass, posterior, 801

melanotic neuroectodermal tumor, malignant, 529

nasopharyngeal angiofibromas, juvenile, 547

neuroblastoma. See Neuroblastoma osteosarcoma. See also Osteosarcoma

as secondary neoplasm, 2603

in three-year-old boy, 1197

parotid hemangioendothelioma in infants, 2250

prostatic carcinoma, 2534 rhabdomyosarcoma, 2035

metastasis to breast, 2520

soft-tissue sarcomas, 621

teratoma, 630

Chlorambucil

in adenocystic carcinoma, 452

in breast cancer, 1080

Chlorozotocin

evaluation of, 2365

in melanoma, 1544

Chondrosarcoma definition of, 178

as secondary neoplasm in children, 2603

Choriocarcinoma

in colon carcinoma metastasis, 570

pulmonary metastasis of, surgery in, 2723

VP-16 in, 2154

Chorionic gonadotropin, human

ectopic, in lung cancer, 347

production by malignant tumors, 355

Choroidal melanoma, particle radiotherapy in, 633

Chromosomes

in chronic granulocytic leukemia in blastic transformation, 1590

in Fanconi anemia with neoplasia, 1401

in leukemia secondary to Hodgkin's disease, 725

in osteosarcoma in 3-year-old boy. 1197

in parents of congenital leukemia patients, 109

in Richter's syndrome with CLL, 136

translocations in CML, 2221, 2227

Cirrhosis, and hepatic lymphoma, 336

Clastogens, in acute leukemia, 109

Clear-cell sarcoma, spinal melanotic, 718

Cloacogenic carcinoma, transitional, 828

Coagulation, in cancer patients, 831

Colitis, ulcerative

histiocytic lymphoma in, 1695

neoplasia in, 403

Collision carcinoma, at esophagogastric junction, 2702

Colon tumors

and binding proteins for retinoic acid and dihydrotestosterone, 2421

metastasis of carcinoma, choriocarcinoma in, 570

Colorectal cancer

immunology in, 700

in Jordan and Nova Scotia, 420

maytansine trial in, 1104

metastasis to liver, and hepatic arterial infusion of mito-

mycin C and FUDR, 261

response to chemotherapy in, 1536

in schistosomiasis, 1661

transitional mucosa in, 764

vindesine and MER in, 463

Computed tomography. See CT scanning

Contraceptives, oral, and family history of breast cancer patients, 2747

Copper

chelator affecting cytotoxicity of bleomycin, 2360 ratio to zinc in serum, in breast lesions, 2682

tissue levels in lymphomas, 565

Corynebacterium parvum. See Immunotherapy

Crohn's disease, neoplasia in, 403

Cryosurgery, in cervical neoplasia, 2315

CT scanning

in breast cancer detection, 939

for meningeal involvement in lymphomas, 2413

in pancreatic malignancy detection, 2410

Cyclophosphamide

in acute lymphocytic leukemia

in Djerassi-methotrexate-BOMB regimen, 1093

in intensive chemotherapy for children, 241

in acute nonlymphocytic leukemia, cytosine arabinoside, vincristine and prednisone with, 22

in adenocystic carcinoma, 452

with adriamycin and 5-fluorouracil, and hepatitis B antigen activity, 1117

in breast cancer, 1079

adriamycin with, 2380

and hyperalimentation, 642

adriamycin and platinum with, 1082

5-fluorouracil and prednisone with, 1081

methotrexate and 5-fluorouracil with

and prednisone, 1082

and secondary low-dose adriamycin, 433

mitomycin C with, 2373

in endometrial carcinoma, adriamycin, 5-fluorouracil and vincristine with, 2162

and leukocyte cytotoxicity against herpes-infected cells,

in lung cancer

adriamycin, VP-16 and BCG-MER with, 2543

methotrexate and CCNU with, 256

and prophylactic radiation, 279

in lymphomas

adriamycin, vincristine and prednisone with, 2356

BCNU, vincristine and prednisone with, 29

prednisone with, 29

vincristine and prednisone with, 2356

vincristine, procarbazine and prednisone with, 29

in ovarian carcinoma

adriamycin with, 669

high-dose methotrexate with, 1333

in prostatic cancer

adriamycin and BCNU with, 2389

in Nb rat, 273

in thymomas, invasive, vincristine, prednisone and procarbazine with, 1523

in sarcomas, metastatic, adriamycin and DTIC with, 1722

Cylindroma. See Adenoid cystic carcinoma

Cystic carcinoma, adenoid. See Adenoid cystic carcinoma Cystosarcoma phyllodes of breast, tubular carcinoma in,

1863 Cytogenetics. See Chromosomes

Cytokinetics

in adult acute leukemia, 102

in breast cancer, 2634

retinoids affecting, 2203

in melanoma, 303

Cytology

in breast cancer diagnosis, 947

and imprint preparations of marrow biopsies, 173

Cytoplasmic inclusions

fibrillary, in bronchial carcinoid, 144

granulofilamentous, in meningioma, 156

Cytosine arabinoside

in acute lymphocytic leukemia

in Djerassi-methotrexate-BOMB regimen, 1093

in intensive chemotherapy for children, 241

VM-26 with, 1727

in acute myelogenous leukemia, adriamycin, vincristine, prednisolone and BCG with, 2142

in acute nonlymphocytic leukemia

adriamycin, 6-thioguanine, prednisone and vincristine with, 663

cyclophosphamide, vincristine and prednisone with, 22 6-thioguanine with, 22

in breast cancer, 1080

Cytoxan. See Cyclophosphamide

D

Dacarbazin. See DTIC

Daunomycin. See Daunorubicin

Daunorubicin

in acute nonlymphoblastic leukemia, 1731

cardiotoxicity of, 1109

in Djerassi-methotrexate-BOMB regimen as maintenance therapy in ALL, 1093

in intensive chemotherapy regimens for children with ALL, 241

DDC, and enhanced cytotoxicity of bleomycin, 2360

DDP. See Platinum

Death in breast cancer, causes of, 162

Desmoplastic nevus, 557

Dietary fiber, and intestinal bacterial metabolic activity, 2430

Diethyldithiocarbamate, and enhanced cytotoxicity of bleomycin, 2360

Digital fibromatosis, infantile, 2238

Dihydrotestosterone binding protein, in colon tumors, 2421 DNA

cellular, in giant lymph node hyperplasia, 730

tumor-specific sequences of, 303

Doxorubicin. See Adriamycin

DTIC

in breast cancer, 1081

in Hodgkin's disease

adriamycin, bleomycin and vinblastine with, plus other drugs and radiation, 233

in MOPP-resistant disease, adriamycin, bleomycin, CCNU and prednisone with, 2349

in melanoma

CCNU, bleomycin and vincristine with, in metastases,

C. parvum immunotherapy with, 475

in sarcomas, metastatic, adriamycin and cyclophosphamide with, 1722

Dysplasia

fibrous, and osteosarcoma in three-year-old boy, 1197 in nevus syndrome with melanoma, 1787

F

Electron microscopy

of apocrine carcinoma, 2463

of bladder papilloma, inverted, 64

of Brenner tumors, 2607

of bronchial carcinoid

with cytoplasmic fibrillary inclusic 's, 144

with ovarian metastasis, 543

of canalicular adenoma of upper lip, 552

of cardiac rhabdomyoma, 2068

of carotid body paraganglioma, 2623

of female adnexal tumor, 2273

of fibrosarcoma, congenital, 77

of lymphomas, 2210

of marrow plasma cells in multiple myeloma in young men, 1397

of melanotic malignant neuroectodermal tumor, 529

of meningioma with granulofilamentous inclusions, 156

of neuroendocrinoma of jejunum, 713

of peripheral neuroepithelioma, 2456

of pigmented differentiating neuroblastoma, 522

of pulmonary blastoma, 1389

of renal cell carcinoma variant, 1152

of rhabdomyosarcoma in children, 2035

of Sertoli tumors of ovary, 2281

of spindle melanotic clear-cell sarcoma, 718

of spindle-cell carcinoma of penis, 2266

Embolism

cerebral, from mucin, 1608

pulmonary, from retroperitoneal sarcoma, 1492

Embolization therapy, hepatic artery, in VX2 carcinoma of liver, 56

Embryonal carcinoma, VP-16 in, 2154

Empyema, Listeria, in CLL, 619

Endodermal sinus tumors

human, transplanted in nude mice, 2446

testicular, 1213

Endometrial carcinoma

combination chemotherapy in, 2162

cutaneous metastasis of, 1471

in Israel, 2752

lymphography in, 1887

Enzymes

activities in fetal and neoplastic tissues, 2047

amino acid naphthylamidase activity in myeloid leukemias, 325

histochemistry in lymphomas, 2210

lysosomal acid phosphatase in lymphomas, 2676

Epidemiology

of breast cancer, 865

in left-sided disease, 1705

in Tunisia, 2741

of cancer in Sindhis in Bombay, 2107

of cancer in Southwest Korea, 852

of carotid body tumors, familial, 2116

of colorectal cancer, 420

of endometrial carcinoma in Israel, 2752

of Hodgkin's disease, 186

of intracranial tumors in Nigeria, 2322

of lymphomas in Japanese prefecture, 1231

of malignant mesothelioma in North America, 1650

of melanoma in New South Wales, 427

of nasopharyngeal carcinoma in Alaskan natives, 2100

of salivary gland tumors in Malawi, 2328

Epidermoid carcinoma

of head and neck, adjuvant therapy in, 1919

of pyriform sinus, 1974

Epithelial carcinoma of ovary, radiation in, 1950

Epstein-Barr virus, nasopharyngeal carcinoma in Alaskan natives, 2100

Erratum, 2368

Erythroblastic transformation, in myeloproliferative disorders, 1636

Erythrophagocytic lymphohistiocytosis, familial, 468, 2566 Erythrophagocytosis, by lung carcinoma cells, 1140

Esophageal carcinoma

chemotherapy in, 2149 management of, 1873

particle radiotherapy in, 633

Esophagogastric junction carcinoma

collision, 2702 management of, 1873

Esthesioneuroblastoma, olfactory, 2509

Estrogen receptors

in breast cancer, 2759

analysis in early and advanced tumors, 2818 and carcinoembryonic antigen in serum, 2846

clinical usefulness of, 2880

computer programs for analysis of, 2907

correlation with disease-free intervals, 2829

cytosolic forms of, 2953

extramural evaluation of, 2928

fluorescence microscopy of, 2825

histochemical assay of, 2896

and histologic type of tumor, 362, 2851 historical aspects of, 2759

immunofluorescence studies of, 2859, 2872

and α-lactalbumin in lesions, 1775

in lyophilized tissue, 2762

in males, 1781

and multiple receptor assays, 2939

and nonresponding patients, 2835

and pathologic features of tumors, 2869

predictive value of, 2838, 2884, 2889 prognostic value of, 2794

quality control of analysis, 2822, 2946, 2950

quantitative assays of, 2783

rapid detection of, 2902 and response to chemotherapy, 2797, 2809, 2814, 2919,

2922, 2925, 2928, 2961 and response to endocrine therapy, 2775, 2779, 2838,

2884, 2889, 2922, 2961 survival related to, 2765

techniques for analysis of, 2842, 2930

and therapies for stage II cancer, 2805

thermostability of, 2770

in endometrial carcinoma, and response to chemotherapy,

in melanoma, 1463, 1785

in uterine tissue, lyophilized, 2762

Estrogen window hypothesis, of breast cancer, 874

Estrophilin. See Estrogen receptors

Ethical considerations, in breast cancer therapy, 1031 and informed consent, 1042

and rights of patients in decision-making, 1035

Ewing's sarcoma

intergroup study of, 516

metastatic, chemotherapy in, 446

radiation and chemotherapy in, 1969

Eye

orbital lymphoid neoplasms, 576

particle radiotherapy in choroidal melanoma, 633

F

Familial conditions

breast cancer

bilateral, Peutz-Jeghers syndrome with, 815

in males, 2697

and mammographic parenchymal patterns, 2433

and oral contraceptive use, 2747

carotid body tumors, 2117

erythrophagocytic lymphohistiocytosis, 468, 2566

Hodgkin's disease in three siblings, 838 nasopharyngeal carcinoma, 2325

thyroid carcinoma, papillary, 1291

Fanconi anemia, and neoplasia development, 1401

Ferritin in cells, in acute monocytic leukemia, 289

Fetal tissues, enzyme activities in, 2047

α-Fetoprotein in serum

in germ cell tumors, 380, 1213

in liver cancer, 736

Fiber, dietary, and intestinal bacterial metabolic activity, 2430

Fiberoptic bronchoscopy, in lymphomas, 1476

Fibrillary inclusions, cytoplasmic, in bronchial carcinoid, 144

Fibroelastosis, endocardial, in leukemia, 1479

Fibrolamellar carcinoma, of liver, 372

Fibromatosis, digital, in infants, 2238

Fibrosarcoma

congenital, 77

definition of, 178

metastatic, chemotherapy in, 446

of pulmonary trunk, 314

Floxuridine (FUDR), hepatic arterial infusions of, with mitomycin C in metastatic colorectal carcinoma in liver, 261

Fluorescence polarization, of lymphocytes, 1164

Fluorodeoxyuridine (FUDR), hepatic arterial infusions of, with mitomycin C in metastatic colorectal carcinoma in liver, 261

5-Fluorouracil

in adenocystic carcinoma, 452

in breast cancer, 1079

cyclophosphamide and prednisone with, 1081

methotrexate and cyclophosphamide with

and prednisone, 1082

and secondary low-dose adriamycin, 433

in colorectal carcinoma, 1536

with cyclophosphamide and adriamycin, and hepatitis B antigen activity, 1117

in endometrial carcinoma, adriamycin, cyclophosphamide and vincristine with, 2162

in esophageal carcinoma, 2149

in head and neck cancer recurrence, adriamycin, bleomycin, methotrexate and vitamin A with, 1324

in pancreatic carcinoma

adriamycin and mitomycin C with, 2014

methyl-CCNU and radiotherapy with, 1518

in prostate adenocarcinoma of Nb rat, 273

Freund's adjuvant in immunotherapy, compared to BCG substrains, 500

Ftorafur, with BCNU and adriamycin, in ACTH-producing gastric apudoma, 1263

G

Galactorrhea-amenorrhea syndrome, pituitary oncocytoma

Gallbladder cancer, invasive, precursor lesions of (Letters), 859

Gallium nitrate, pharmacokinetics of, 2009

Gallium scanning, in granulocytic sarcoma, 1357

Gastric juice, carcinoembryonic antigen in, in gastric cancer,

Gastroesophageal junction carcinoma collision, 2702

management of, 1873

Gastrointestinal tract. See also Colorectal cancer; Stomach

bacterial metabolic activity affected by dietary fiber, 2430 cloacogenic carcinoma, 828

enzyme activities in colon tissue, 2047

histiocytic lymphoma in ulcerative colitis, 1695

lymphomas of, 215

tonsillar lymphoma after, 1528

neoplasia in Crohn's disease and ulcerative colitis, 403 neuroendocrinoma of jejunum, 713

and secondary neoplasms in children, 2603 and susceptibility to cancer, 1307

Genitourinary neoplasms, platinum and adriamycin in, 1715 Germ cell tumors

mediastinal seminomas, 1187 platinum and adriamycin in, 1715

and serum α -fetoprotein levels, 380

strumal carcinoid of ovary, 2019 testicular, 1213

VP-16 in, 2154

Giant cell tumor

of bone, recurrence of, 1641 of liver, osteoclastoma-like, 771

Giant lymph node hyperplasia, 730

Glioblastoma multiforme, histologic features of, 1179

Glioma, anaplastic, intratumoral picibanil injections in, 1688

Glottic carcinoma, second malignancies in, 1883

Glucose 6-phosphate dehydrogenase activity, in lung and intestinal tissue, 2047

Glutamate dehydrogenase activity, in lung and intestinal tissue, 2047

γ-Glutamyl transpeptidase activity, in lung and intestinal tissue, 2047

Gonadotropin, human chorionic

ectopic, in lung cancer, 347

production by malignant tumors, 355

Granulocytic sarcoma, gallium scanning in. 1357

Granulofilamentous inclusions, in meningioma, 156

Granuloma, plasma cell, intracranial, 330

Granulomatosis, pulmonary lymphomatoid, and bilateral lymphoma, 1411

Growth hormone, ectopic, in lung cancer, 347

Gynecological neoplasms, platinum and adriamycin in, 1715

Hamartoma, angiomatous lymphoid, 730

digital fibromatosis, infantile, 2238

melanomas, subungual, 2074, 2492

Head and neck tumors

Ackerman's tumor of larvnx, 1617

adjuvant therapy in epidermoid carcinoma, 1919

chemotherapy in adenocystic carcinomas, 453

laryngeal carcinoma in childhood, 1683

maytansine trial in, 1104

meningioma of nasal cavity and paranasal sinuses, 1442

particle radiotherapy in, 633

pyriform sinus carcinoma, 1974

radiation-induced thyroid cancer, 1219

recurrent squamous cell carcinoma, 1324

salivary. See Salivary gland tumors

sarcoma, postradiation, 1982

Heart

cardiotoxicity of anthracyclines, 1109

endocardial fibroelastosis in leukemia, 1479

rhabdomyoma of, electron microscopy of, 2068

Heating. See Hyperthermic therapy

Helium ion therapy, clinical experience with, 633

Hemangioendothelioma

of bone, 804

parotid, in infants, 2250

presenting as posterior mediastinal mass, 801

Hemangiopericytoma, metastatic, chemotherapy in, 446

Hemorrhage

and cerebral infarction in childhood ALL, 1548

in lung cancer, 200

Hemostasis, in cancer patients, 831

Hepatic artery

embolization therapy in VX2 carcinoma of liver, 56 infusions in. See Chemotherapy, intra-arterial

ligation in hepatocellular carcinoma, 2717

Hepatitis

granulomatous, BCG-induced, 1759

and lymphoma of liver, 336

Hepatitis B

antigenemia in hepatocellular carcinoma, chemotherapy affecting, 1117

surface antigen in hepatocellular carcinoma in China, 1612

Hepatocellular carcinoma. See Liver

Herpes virus

and drugs affecting leukocyte cytotoxicity against infected cells, 1555

tumor-associated antigen from kidney carcinoma, 1594

Hexamethylmelamine, in breast cancer, 1081

Hexosephosphate aminotransferase activity, in lung and intestinal tissue, 2047

Hexokinase activity, in lung and intestinal tissue, 2047 Histiocytes

in familial erythrophagocytic lymphohistiocytosis, 468, 2566

in large cell T-cell lymphomas, 87

Histiocytic lymphoma

sinusoidal pattern in, 2484

in ulcerative colitis, 1695

Histiocytoma, fibrous

of aorta, with vascular prosthesis, 398

metastatic, chemotherapy in, 446

Histiocytosis, malignant, 1795

Histopathology

of breast cancer, and estrogen receptor status, 362, 2869

of Brenner tumors, 2607

of colorectal cancer in Jordan and Nova Scotia, 420

of glioblastoma multiforme, 1179

of Hodgkin's disease, and epidemiology, 186

of parotid hemangioendothelioma in infants, 2250

in Hodgkin's disease, 1825

in three siblings, 838

and survival in lung cancer, 38

Hodgkin's disease

acute leukemia in

multiple cell markers in, 725

myeloid leukemia, 1247

chemotherapy in

in MOPP-resistant patients, 2349

new four-drug combination in, 654

radiotherapy with, 233, 2126, 2131

in childhood, and long-term results of treatment, 2123 combined modality therapy in, 1509

defective monocyte function in, 299 epidemiologic and histologic patterns of, 186 fiberoptic bronchoscopy in, 1476 HLA phenotypes in, 1825 in immunodeficiencies, 692 and imprint preparations of marrow biopsies, 173 lymphocyte-depleted, treatment resistance of, 1503 lymphocyte radiosensitivity in, 1353 and lymphoma development after therapy, 2596 mediastinal involvement in, 2403 nodular sclerosing, mycosis fungoides with, 2505 prognostic factors in stage IIIA, 1240 pulmonary scar carcinomas in, 1868 radiation in, affecting T-cell subsets, 2590 second malignancy in, 1735 in three siblings, 838 Hormonal therapy in breast cancer with chemotherapy and immunotherapy, 2805 and estrogen receptor status, 2775, 2779, 2838, 2884, 2889, 2922, 2961 response rate as prognostic factor, 438 Hormones ectopic, in lung cancer, 347 markers in small-cell carcinoma of lung, 2062 and susceptibility to cancer, 1307 Hydroxyurea in breast cancer, 1080 continuous infusions of, 455 in intensive chemotherapy for children with ALL, 241 Hyperalimentation, with chemotherapy in breast cancer, 642 Hypercalcemia, in chronic myelogenous leukemia, 1174 Hyperplasia giant lymph node, 730 thymic, lymphocyte reactivity in, 2055

verrucous, of oral mucosa, 1855 Hyperthermic therapy in human neoplasms, 1849 in murine adenocarcinoma, 1992 radiation with, in superficial tumors, 1986

selective tumor heating in, 1962

Hyperviscosity of blood, in chronic granulocytic leukemia, 1418

Imidazole carboxamide. See DTIC Immune complexes

ex vivo removal of, in feline leukemia, 675 from high-dose methotrexate infusions, 471

Immune response

and blocking activity of serum in cervical cancer, 2573 in breast cancer patients, 893, 1746

levamisole affecting, 2185 Immunity, cell-mediated

to leukemia-associated antigens in ALL, 293

in mycosis fungoides, thymic humoral factor affecting, 41 in thyroid cancer, 285

Immunocytoma, lysosomal acid phosphatase in, 2676 Immunodeficiencies, lymphoreticular disorders in, 692 **Immunoglobulins**

ex vivo removal of IgG in feline leukemia, 675 surface, in hairy cell leukemia, 50

Immunohistochemistry, of prostatic cancer with metastasis,

Immunology

ABH antigens in bladder tumors, 1366 antibody responses to mycobacterial antigens after BCG therapy, 2195

anti-T antibody in melanoma, 1378

in colorectal cancer, 700

of extramedullary gastric and lymph node plasmacytoma.

in giant lymph node hyperplasia, 730

herpes virus tumor-associated antigen from kidney carcinoma, 1594

human breast cancer antigen, 879

lymphoma reactivity with monoclonal anti-leukocyte antibody, 2640

smooth-muscle antibodies in neuroblastoma, 497

and susceptibility to cancer, 1307

thymic humoral factor affecting cell-mediated immunity in mycosis fungoides, 41

Immunosorption therapy, in feline leukemia, 675

Immunotherapy

with aggregated tumor antigens, in renal carcinoma, 1128 BCG. See BCG immunotherapy

Corynebacterium parvum

and anti-T antibody levels in melanoma, 1378 compared to BCG substrains, 500

comparison of two preparations, 685

plus DTIC in melanoma, 475 with ex vivo removal of IgG in feline leukemia, 675

with thymic humoral factor in mycosis fungoides, 41 Imprint preparations, of bone marrow biopsies, 173

Inclusions, cytoplasmic

fibrillary, in bronchial carcinoid, 144 granulofilamentous, in meningioma, 156

Indomethacin, and lymphocyte response to mitogens, 2416

Informed consent, in breast cancer, 1042

Insulation workers, asbestos disease in, 2736 Interferon, leukocyte, in pulmonary metastases of osteosarcoma, 1562

Intestines. See Gastrointestinal tract

Intracranial tumors

intratumoral injections of picibanil anaplastic glioma, 1688 lymphomas of CNS, 1258

metastatic melanoma, 2088

in Nigeria, 2322

particle radiotherapy in, 633

in pineal area, 1253

plasma cell granuloma, 330

re-irradiation for cerebral metastases, 2587

in acute monocytic leukemia cell ferritin. 289 tissue levels in lymphomas, 565

Israel, endometrial carcinoma in, 2752

J

Japan, lymphomas in southern prefecture of, 1231 Jejunum, neuroendocrinoma of, 713 Jordan, colorectal cancer in, 420

Kaposi sarcoma, metastatic, chemotherapy in, 446 Kidney

carcinoma of

bilateral renal cell, surgery in, 2341

herpes virus tumor-associated antigen in, 1594

immunotherapy with aggregated tumor antigens, 1128 sarcomatoid variant of, 1152

mitomycin C microcapsules infused into renal artery, 14 myelomatous obstructive uropathy, 1893

Korea, cancer incidence in southwest, 852

L

Labeling index

and cell kinetics in breast cancer, 2634 and treatment of acute leukemia, 2298

α-Lactalbumin, in breast lesions, 1775

Lactate dehydrogenase in serum, and prognosis of lymphomas, 139

Lambert-Eaton syndrome, with small cell anaplastic carcinoma of lung, 1123

Larynx

Ackerman's tumor of, 1617

carcinoma of

in childhood, 1683

lung cancer with, 1883

and postradiation sarcoma of head and neck, 1982 in pyriform sinus, 1974

Laser radiation therapy, in skin tumors, 2172

Leiomyosarcoma

of bone, 1270

metastatic, chemotherapy in, 446

of pulmonary trunk, 314

Leser-Trelat sign, and pure red cell aplasia in bile duct adenocarcinoma, 1657

Leukemia

acute

and autoradiography for labeling index in adults, 2298 and chest radiography after marrow transplants in children, 1741

combination chemotherapy in relapse of, 2004 and cytokinetics and cAMP production in adults, 102 in Hodgkin's disease, 1735

cell markers in, 725

acute granulocytic, and pulmonary mycetomata formation, 1701

acute lymphoblastic

in acute myelofibrosis, 615

BCG immunotherapy in, 2577

cell markers in, 45

follow-up of children in intensive chemotherapy, 241 in immunodeficiencies, 692

and strokes in childhood, 1548

and thyroid carcinoma after therapy, 1572

acute lymphocytic

amino acid naphthylamidase activity in, 325

discontinuing therapy in, 1319

high risk cases in, 1996

leukocyte migration inhibition in, 293

maintenance therapy in childhood, 1093, 1098

reinduced remissions in children, 1093

VM-26 and cytosine arabinoside in, 1727

acute monocytic

and isoferritin in cells, 289

progenitor cell colonies in, 1602

acute myeloid

amino acid naphthylamidase activity in, 325 chemotherapy and immunotherapy in, 2141

in Hodgkin's disease, 1247 and lymphoma of pre-T-cell type, 1383

acute nonlymphocytic

and daunorubicin for remission induction, 1731 five-drug chemotherapy in, in adults, 663

remission maintenance in, 22

chronic granulocytic

clonal changes in blastic transformation, 1590 erythroblastic transformation in, 1636

hyperviscosity in, 1418

chronic lymphocytic

amino acid naphthylamidase activity in, 325

bone marrow biopsy in, 1422

heart failure and endocardial fibroelastosis in, 1479

Listeria infections in, 619

lysosomal acid phosphatase in B-cell type, 2676

Richter's syndrome in, 118 chromosome studies in, 135

chronic myelogenous

chromosome translocations in, 2221, 2227

hypercalcemia in, 1174

pulmonary alveolar proteinosis in, 1763

congenital, and chromosome analysis of parents, 109

and Fanconi anemia, 1401

feline, immunotherapy in, 675

hairy cell

nature of hairy cells in, 50

after radiation exposure, 1577

plasma cell, splenic rupture in, 202

testicular radiotherapy in, 508

Leukocytes

cytotoxicity of

affected by antineoplastic drugs, 1555 in multiple melanoma patients, 1566

migration inhibition assay in ALL, 293

Levamisole, immune modulation by, 2185

Lip, canalicular adenoma of, 552

Lipoblastoma, benign, 611

Liposarcoma, metastatic, chemotherapy in, 446

Listeria infections, in chronic lymphocytic leukemia, 619

Live

apudoma of, and pancreatic polypeptide production, 1146

 α -fetoprotein levels in cancer of, 736 fibrolamellar carcinoma of, 372

hepatocellular carcinoma of

with hepatitis B antigenemia, 1117

in China, 1612

polygonal cell type, with fibrous stroma, 1448

treatment in Uganda, 2717

lymphoma of, 336

maytansine trial in cancer of, 1104

metastatic colorectal carcinoma in, and hepatic artery in-

fusion of mitomycin C and FUDR, 261 neoplasia with Fanconi anemia, 1401

osteoclastoma-like giant cell tumor of, 771

protein synthesis in early cancer, 71

tumor volume related to CEA levels, 266

VX2 carcinomas of, hepatic artery embolization in, 56

Lung

alveolar proteinosis in CML, 1763

blastoma of, 1389

cancer of

chemotherapy in, 256

ectopic hormones in, 347 epidermoid, advanced, 34

erythrophagocytosis by cells in, 1140

and glottic carcinoma, 1883

half-body radiation in, 1932

hemorrhage from, 200

HLA antigens in, and survival rate, 38

and indomethacin effect on lymphocyte response, 2416

maytansine trial in, 1104

metastasis of, gastric perforation in, 1879

misdiagnosis of, 190

scar carcinoma in Hodgkin's disease, 1868

simulation by metastatic pancreatic carcinoma, 2319

small cell

adjunct therapy in, 2335

bone marrow in, 206

chemotherapy compared to chemoimmunotherapy in,

chemotherapy and radiotherapy in, 2550, 2557

chest disease relapses in, 255

hormonal markers in, 2061

with Lambert-Eaton syndrome, 1123

prophylactic radiation in, 279

enzyme activities in, 2047

lymphangiomyomatosis of, oophorectomy in, 2248

lymphomatoid granulomatosis of, and bilateral lymphoma,

1411

metastasis to

and cavitation after chemotherapy, 1329

from choriocarcinoma, surgery in, 2723

from osteosarcoma, interferon in, 1562

from transitional cell carcinoma, regression of, 1499

mycetomata formation in, 1701

mycosis fungoides of, 2648

tuberculosis activation by radiation, 1581

tumor embolus from retroperitoneal sarcoma, 1492

Lymph nodes

giant hyperplasia of, 730

plasmacytoma of, 340

extramedullary, 1753

Lymphangiomyomatosis, pulmonary, oophorectomy in, 2248 Lymphangiosarcoma, of anterior abdominal wall, 1228

Lymphocytes

cell-mediated immunity in mycosis fungoides, 41

cytotoxicity of

antineoplastic drugs affecting, 1555

in multiple myeloma patients, 1566

depletion in Hodgkin's disease, and treatment resistance, 1503

fluorescence polarization of, 1164

function in colorectal cancer, 700

radiation affecting T-cell subsets in Hodgkin's disease,

radiosensitivity in Hodgkin's disease, 1353

reactivity in thymus, 2055

response to mitogens, indomethacin affecting, 2416

subpopulations in T cells, 45

subtypes in lymphomas, 1817

Lymphography, in endometrial adenocarcinoma, 1887

Lymphohistiocytosis, erythrophagocytic, familial, 468, 2566

Lymphoid neoplasms, orbital, 576

Lymphomas

B-cell, lysosomal acid phosphatase in, 2676

of bone marrow, isolated, 1767

of central nervous system, 1258

chemotherapy alone in, 2356

chemotherapy in favorable subtypes, 29

composite type, 1676

defective monocyte function in, 299

development after therapy for Hodgkin's disease, 2596

extranodal, 1925

fiberoptic bronchoscopy in, 1476

gastrointestinal, 215

hepatic, 336

histiocytic, 1429

sinusoidal pattern in, 2484

in ulcerative colitis, 1695

Hodgkin's. See Hodgkin's disease

in immunodeficiencies, 692

and imprint preparations of marrow biopsies, 173

in Japanese prefecture, 1231

lactate dehydrogenase levels in, 139

lymphocyte subtypes in, 1817

maytansine trial in, 1104

meningeal seeding by, diagnosis of, 2413

microscopic and histochemical studies of, 2210

nodular, cell line from, 2438

pre-T-cell type, and AML, 1383

and pulmonary lymphomatoid granulomatosis, 1411

reactivity with monoclonal anti-leukocyte antibody, 2640

spontaneous regression of, 2093

T-cell type

in adults, with hypergammaglobulinemia, 2472

of large cell type, 87

tonsillar, after gastrointestinal lymphoma, 1528

of thyroid, with plasmacytoma, 2671

and tissue levels of iron, copper and zinc, 565

Lymphoreticular disorders, in immunodeficiencies, 692

Macroglobulinemia, Waldenstrom, and imprint preparations

of marrow biopsies, 173

Malawi, salivary gland tumors in, 2328

Mammography in breast cancer

familial parenchymal patterns in, 2433

specimen, in nonpalpable disease, 950 Mastectomy. See Surgery, in breast cancer

Mastitis, postpartum radiotherapy in, and breast cancer

development, 2257

Maytansine, antitumor activity of, 1104

Measurement of solid tumors, 1286

Mediastinum

germ cell tumors of, and α -fetoprotein levels, 380

giant lymph node hyperplasia of, 730

masses in Hodgkin's disease, 2403

posterior mass in hemangioendothelioma, 801

seminomas of, 1187

Megestrol acetate, in breast cancer, 2369

Melanoma

activation of nevi in, 822

anti-T antibody in, 1378

and BCG affecting monocyte cytotoxic function, 1135

cell proliferation in, 308

chlorozotocin in, 1544

choroidal, particle radiotherapy in, 633

curability of, 818

DTIC in, with C. parvum immunotherapy, 475

and dysplastic nevus syndrome, 1787

estrogen receptors in, 1785

maytansine trial in, 1104

metastasis of

combination chemotherapy in, 2346

intracranial, 2088

multiple, lymphocyte cytotoxicity in, 1566

in New South Wales, 427

of palm, sole and nailbed, 2492

prognostic factors in, 2731 steroid receptors in, 1463, 1785

subungual, 2074, 2492

Melanotic tumors

bronchial carcinoid, 1843

differentiating neuroblastoma, 522

neuroectodermal, malignant, 529

schwannomas of spinal canal, 391

spinal clear-cell sarcoma, 718 Meningeal uptake of technetium-99m MDP, 2413 Meningioma

granulofilamentous inclusions in, 156

of nasal cavity or paranasal sinuses, 1442

Meningitis, in IgD myeloma, 153

6-Mercaptopurine

in acute nonlymphocytic leukemia, methotrexate, vincristine and prednisone with, 22

as maintenance therapy in ALL

in Djerassi-methotrexate-BOMB regimen, 1093

prednisone pulse with, 1098

prednisone, vincristine and methotrexate with, 1098

Merkel cell tumor, cutaneous, 1810

Mesothelioma

malignant, in North America, 1650

metastatic, chemotherapy in, 446

Metastasis

of basal cell carcinoma, 748

amyloidosis with, 2693

to breast, from rhabdomyosarcoma in childhood, 2520

of breast cancer. See Breast, cancer of, metastatic

of carotid body paraganglioma, 2623

cascade theory of, 2312

cerebral, re-irradiation in, 2587

of colon carcinoma, choriocarcinoma in, 570

cutaneous, of endometrial carcinoma, 1471

and imprint preparations of marrow biopsies, 173

leptomeningeal, diagnosis of, 2413

to liver

from colorectal carcinoma, and hepatic artery infusion

of mitomycin C and FUDR, 261 and tumor volume related to CEA levels, 266

of lung cancer

gastric perforation in, 1879

half-body radiation in, 1932

of melanoma

combination chemotherapy in, 2346

intracranial, 2088

to ovary, of bronchial carcinoid, 543

of pancreatic carcinoma, simulating lung cancer, 2319

of prostatic cancer, immunohistochemistry of, 706

from choriocarcinoma, surgery in, 2723

from osteosarcoma, interferon in, 1562

from transitional cell carcinoma, regression of, 1499

to retroperitoneal lymph nodes, in endometrial adenocarcinoma, 1887

of sarcomas

chemotherapy in, 446, 1722

high-dose methotrexate in, 1345

Methotrexate

in acute leukemia, L-asparaginase with, 2004

in acute lymphocytic leukemia, in intensive chemotherapy

regimens for children, 241

in acute nonlymphocytic leukemia, 6-mercaptopurine, vincristine and prednisone with, 22

in adenocystic carcinoma, 452

and augmented effect of radiation, 1349

in breast cancer, 1080

cyclophosphamide and 5-fluorouracil with

and prednisone, 1082

and secondary low-dose adriamycin, 433

in esophageal carcinoma, 2149

in head and neck cancer recurrence, adriamycin, bleomycin, 5-fluorouracil and vitamin A with, 1324

high-dose

and immune complex formation, 471

in metastatic soft-tissue sarcomas, 1345

plus cyclophosphamide, in ovarian adenocarcinoma,

toxicity development after vincristine, 2571

in lung cancer

CCNU and adriamycin with, 34

CCNU and cyclophosphamide with, 256

and prophylactic radiation, 279

as maintenance therapy in ALL

in Djerassi-methotrexate-BOMB regimen, 1093

prednisone, vincristine and 6-mercaptopurine with, 1098 in prostate adenocarcinoma of Nb rat, 273

Microcapsules of mitomycin C, in renal artery, 14

Mithramycin, in breast cancer, 1081

Mitochondria, swelling in pituitary tumors, 537

Mitomycin C

in breast cancer, 1081

cyclophosphamide with, 2373

in cervical cancer, bleomycin with, 2159

henatic arterial infusions of, with floxuridine, in colorectal carcinoma metastatic to liver, 261

microencapsulated, in renal artery, 14

in pancreatic carcinoma, 5-fluorouracil and adriamycin with, 2014

Monocytes

cytotoxic function in melanoma, BCG affecting, 1135

defective function in lymphomas, 299

Mouth. See Oral cavity

Mucin embolism, to cerebral arteries, 1608

Mucosa

oral, verrucous hyperplasia of, 1855

transitional, in colorectal cancer, 764

Muscle

Lambert-Eaton syndrome with small cell anaplastic carcinoma of lung, 1123

rhabdomyoma of. See Rhabdomyoma

smooth-muscle antibodies in neuroblastoma, 497

Myasthenia gravis, thymic lymphocytes in, 2055

Mycetomata, pulmonary, 1701

Mycobacterial antigens, antibody responses to, after BCG therapy, 2195

Mycobacterial infection, pulmonary, activation by radiation,

Mycosis fungoides

cell-mediated immunity in, 41

of lung, 2648

and nodular sclerosing Hodgkin's disease, 2505

occupational factors in, 2654

Myelofibrosis

acute, terminating in ALL, 615

idiopathic, amino acid naphthylamidase activity in, 325

osteolytic lesions in, 2263

Myeloma, multiple

IgD type, meningitis in, 153

and imprint preparations of marrow biopsies, 173

obstructive uropathy in, 1893

in young men, 1397

Myelosclerosis with myeloid metaplasia, erythroblastic transformation in, 1636

Myxosarcoma, of pulmonary trunk, 314

Naphthylamidase, amino acid, activity in myeloid leukemias,

325 Nasal cavity

cancer of, and postradiation sarcoma of head and neck,

meningioma of, 1442

Nasopharyngeal tumors

angiofibromas, juvenile, androgen receptors in, 547 carcinoma

in Alaskan natives, 2100

familial, 2325

National Surgical Adjuvant Breast and Bowel Project, 1 Neck

cancer of. See Head and neck tumors

dissection in oral cavity carcinoma, 386

Necrosis, of bone marrow, 2168

Neon ions, in particle radiotherapy, 633

Nerve sheath tumors. See Schwannomas

Nervous system, central. See also Intracranial tumors

lymphomas of, 1258

metastasis from breast cancer, and response to hormone therapy, 438

pigmented schwannomas of spinal canal, 391

Neuroblastoma

differentiating, pigmented, 522

prognostic factors in, 1896

smooth-muscle antibodies in, 497

Neuroendocrinoma. See Apudoma

Neuroepithelioma, peripheral, 2456

Neurofibromatosis, angiosarcoma in, 605

Neutron radiotherapy, 633

in oral cavity carcinomas, 1903

Nevoid basal cell carcinoma, multiple, 1456

Nevus

activation in melanoma, 822

desmoplastic, 557

dysplastic syndrome and melanoma, 1787

New South Wales, melanoma in, 427

Nigeria, intracranial tumors in, 2322

Nitrogen mustard

in breast cancer, 1080

in Hodgkin's disease

vincristine, procarbazine and prednisone with, plus radiation, 233

resistance to, 2349

Nova Scotia, colorectal cancer in, 420

NSC 45388. See DTIC

NSC 102816, in acute nonlymphocytic leukemia, 22

NSC 134087, in breast cancer, 253

NSC 141540. See VP-16

O

Oat cell carcinoma of lung. See Lung, cancer of, small cell Occupation

and asbestos disease in insulation workers, 2736

and mycosis fungoides, 2654

Olfactory esthesioneuroblastoma, 2509

Oncocytoma, pituitary, prolactin-secreting, 1584

Oncovin. See Vincristine

Oophorectomy

in breast cancer, 1061

in pulmonary lymphangiomyomatosis, 2248

Oral cavity

fast neutron teletherapy in carcinomas, 1903

squamous cell carcinoma

asymptomatic, detection of, 758

neck dissection in, 386

surgery in cancer of, after radical radiotherapy, 1910

verrucous hyperplasia of mucosa, 1855

Orbital lymphoid neoplasms, 576

Ornithine aminotransferase, activity in lung and intestinal tissue, 2047

Ornithine transcarbamylase, activity in lung and intestinal tissue. 2047

Oropharyngeal cancer, and surgery after radical radiotherapy, 1910

Osteoclastoma-like giant cell tumor, of liver, 771

Osteolytic lesions, in myelofibrosis, 2263

Osteosarcoma

definition of, 178

intracortical, 2525

metastatic

chemotherapy in, 447

pulmonary, interferon in, 1562

as secondary neoplasm in children, 2603

in three-year-old boy, 1197

of vertebral column, 595

Ovary

Brenner tumors

histochemistry of, and CEA presence, 2617

histology and ultrastructure of, 2607

bronchial carcinoid metastasis to, 543

carcinoma of

adriamycin-cyclophosphamide in, 669

high-dose methotrexate in, plus cyclophosphamide, 1333

maytansine trial in, 1104

platinum and adriamycin in, 1715

radiation therapy in, 1950

germ cell tumors of, and α -fetoprotein levels, 380

oophorectomy

in breast cancer, 1061

in pulmonary lymphangiomyomatosis, 2248

Sertoli tumors of, 2281

strumal carcinoid of, 2019

Oxymetholone, in Fanconi anemia, and leukemia development, 1401

P

Paget's disease of vulva, topography of, 590

Pancreas, carcinoma of

adenosquamous, 1192

chemotherapy and radiotherapy in, 1518

combination chemotherapy in, 2014

detection with ultrasound or CT studies, 2410

maytansine trial in, 1104

metastatic, simulating lung cancer, 2319

particle radiotherapy in, 633

preoperative radiation in, 1945 production of hCG, 355

Pancreatic polypeptide production, by apudoma of liver, 1146

Papillary thyroid carcinoma, familial, 1291

Papilloma of bladder, inverted, 64

Paraganglioma, carotid body, 2623

Paranasal sinuses

cancer of, and postradiation sarcoma of head and neck,

meningioma of, 1442

Parathormone, ectopic, in lung cancer, 347

Parotid gland

adenoid cystic carcinoma of, sebaceous differentiation in, 1405

hemangioendothelioma in infants, 2250

Pediatric conditions. See Children

Pelvic tumors, particle radiotherapy in, 633

Pemphigus vulgaris, squamous cell carcinoma of, 1374

Penis, spindle cell carcinoma of, 2266

Peripheral nerves, neuroepithelioma of, 2456

Peutz-Jeghers syndrome

and bilateral breast cancer, familial, 815 with feminizing Sertoli cell tumor, 233

Phagocytosis

in familial erythrophagocytic lymphohistiocytosis, 468, 2566

in hairy cell leukemia, 50

by monocytes, in lymphomas, 299

Phenylalanine mustard, in breast cancer, 1080 and secondary low-dose adriamycin, 433 Philadelphia chromosome, in CML, 2221, 2227

Phosphoserine phosphatase, activity in lung and intestinal tissue, 2047

Pi mesons, in particle radiotherapy, 633

Picibanil, intratumoral injections in anaplastic glioma, 1688

Pigmented tumors. See Melanotic tumors

Pineal area tumors, 1253

Pituitary gland

adenoma of, large mitochondria in, 537 oncocytoma of, prolactin-secreting, 1584

Placental lactogen, ectopic, in lung cancer, 347

Plasma cells

bone marrow, in multiple myeloma in young men, 1297 granuloma, intracranial, 330

leukemia, splenic rupture in, 202

Plasmacytoma

extramedullary, of stomach and lymph nodes, 1753

of lymph nodes, 340, 1753

lysosomal acid phosphatase in, 2676 multiple, of bone. See Myeloma, multiple

of thyroid, lymphoma with, 2671

Platelets loaded with vinblastine, in therapy of erythrophagocytic lymphohistiocytosis in twins, 2566

Platinum

in breast cancer, adriamycin and cyclophosphamide with, 1082

in genitourinary neoplasms, adriamycin with, 1715

in head and neck carcinoma, bleomycin with, 1919

in testicular cancer, bleomycin and vincristine with, 1339

Podophyllotoxin derivative. See VP-16

Polyamines, urinary, in breast cancer, 741

Polycythemia vera, amino acid naphthylamidase activity in, 325

Polypoid sarcoma, of pulmonary trunk, 314

Prednimustine, in breast cancer, 253

Prednisolone, in acute myelogenous leukemia, adriamycin, vincristine, cytosine arabinoside and BCG with, 2142

Prednisone

in acute nonlymphocytic leukemia

adriamycin, cytosine arabinoside, 6-thioguanine and vincristine with, 663

cyclophosphamide, cytosine arabinoside and vincristine with, 22

6-mercaptopurine, methotrexate and vincristine with, 22 in breast cancer

5-fluorouracil, cyclophosphamide and prednisone with,

methotrexate, 5-fluorouracil and cyclophosphamide with, 1082

in Hodgkin's disease

adriamycin, bleomycin, DTIC and CCNU with, in MOPPresistance disease, 2349

CCNU, vincristine and procarbazine with, 654

nitrogen mustard, vincristine and procarbazine with, plus other drugs and radiation, 233

in intensive chemotherapy regimens for children with ALL, 241

and leukocyte cytotoxicity against herpes-infected cells, 1555

in lymphomas

cyclophosphamide with, 29

cyclophosphamide, adriamycin and vincristine with, 2356 cyclophosphamide, BCNU and vincristine with, 29

cyclophosphamide, procarbazine and vincristine with, 29 cyclophosphamide and vincristine with, 2356

as maintenance therapy in ALL

in Djerassi-methotrexate-BOMB regimen, 1093

vincristine, methotrexate and 6-mercaptopurine with, 1098

in thymomas, invasive, cyclophosphamide, vincristine and procarbazine with, 1523

Procarbazine

in breast cancer, 1081

in Hodgkin's disease

CCNU, vincristine and prednisone with, 654

nitrogen mustard, vincristine and prednisone with, plus other drugs and radiation, 233

and leukocyte cytotoxicity against herpes-infected cells, 1555

in lung cancer, adriamycin with, 256

in lymphomas, cyclophosphamide, vincristine and prednisone with, 29

in thymomas, invasive, cyclophosphamide, vincristine and prednisone with, 1523

Progesterone receptors

in breast cancer

analysis in early and advanced tumors, 2818

and carcinoembryonic antigen in serum, 2846

clinical usefulness of, 2880, 2932

fluorescence microscopy of, 2825

histochemical assay of, 2896

and histologic grade of tumors, 2851

and management of patients, 2789

and multiple receptor assays, 2939

predictive value of, 2884

and response to chemotherapy, 2961

and response to endocrine therapy, 2775, 2779, 2838, 2961

solid phase assay of, 2801

in melanoma, 1463

in uterine myoma, 2801

Progestin therapy, in breast cancer, 2369

Prolactin

ectopic, in lung cancer, 347

secetion by pituitary oncocytoma, 1584

in serum, and α -lactalbumin in breast lesions, 1775

Proline hydroxylase, peptidyl, activity in lung and intestinal tissue, 2047

Prostatic cancer

chemotherapy in, 2389

in Nb rat, 273

and stable periods in responding patients, 2393

in childhood and adolescence, 2534

immunohistochemistry of, with metastasis, 706

maytansine trial in, 1104

platinum and adriamycin in, 1715

Protein synthesis, hepatic, in early cancer, 71

Proteinosis, pulmonary alveolar, in CML, 1763

Protons, in particle radiotherapy, 633

Psychologic adaptation, in breast cancer, 1045

Pulmonary artery trunk, polypoid sarcoma of, 314

Purinethol. See 6-Mercaptopurine

Putrescine, urinary, in breast cancer, 741

Pyriform sinus, carcinoma of, 1974

Pyrroline-5-carboxylate reductase activity, in lung and intestinal tissue, 2047

Radiation therapy in breast cancer, 988, 995, 1075 postoperative, 1

charged particles in, 633

with chemotherapy. See Adjunct and multimodality therapy and enhancement effect of methotrexate, 1349 in Ewing's sarcoma, intergroup study of, 516 fast neutron, in oral cavity carcinomas, 1903 and hairy cell leukemia development, 1577 half-body radiation in lung cancer, 1932

in Hodgkin's disease

affecting T-cell subsets, 2590 chemotherapy with, 233, 2126, 2131 and lymphocyte radiosensitivity, 1353 and mediastinal masses, 2403

hyperthermia with, in superficial tumors, 1986 implants in

in breast cancer, external radiation with, 1360 parametrial, in cervical carcinoma, 1485

intraoperative, in biliary tract carcinoma, 2179 laser, in skin tumors, 2172

low-dose, and breast cancer development, 868

in mastitis, postpartum, and breast cancer development,

in oropharyngeal cancer, and tolerance for surgery, 1910 in ovarian carcinoma, epithelial, 1950

in pancreatic carcinoma, preoperative, 1945

and pulmonary tuberculosis activation, 1581

in rectal carcinoma, endocavitary technique in, 1957 re-irradiation for cerebral metastases, 2587

in retinoblastoma, 1913

and sarcoma of head and neck, 1982

and secondary neoplasms in children, 2603

in small-cell carcinoma of lung chemotherapy with, 2550, 2557

chemotherapy and BCG immunotherapy with, 2335

chest relapse patterns in, 2557 prophylactic use of, 279

surgery with. See Adjunct and multimodality therapy in testicular leukemia, 508

thyroid cancer from, 1219

Radiofrequency heating. See Hyperthermic therapy Radiography

of chest, after bone marrow transplants in children, 1741 mammography

familial parenchymal patterns in, 2433

specimen radiography in nonpalpable breast cancer, 950 Receptors. See Androgen receptors; Estrogen receptors; Progesterone receptors

Rectal carcinoma, endocavitary irradiation in, 1957. See also Colorectal cancer

Renal cell carcinoma. See Kidney, carcinoma of

Rediculoendotheliosis, leukemic. See Leukemia, hairy cell Reticulosis, histiocytic medullary, 1795

Retinoblastoma, analysis of treatment results in, 1913 Retinoic acid binding protein, in colon tumors, 2421

Retinoids, affecting breast tumor cells, 2203 Retroperitoneum

germ cell tumors of, and α -fetoprotein levels, 380 lymph node metastases in endometrial adenocarcinoma, 1887

particle radiotherapy in tumors of, 633

sarcoma of, pulmonary embolus from, 1492 teratoma of, hCG production by, 355

Rhabdomyoma

cardiac, electron microscopy of, 2068

extracardiac, 780

recurrent adult, multifocal, 790

Rhabdomyosarcoma

in children, 2035

metastatic

to breast, in childhood, 2520

chemotherapy in, 447

of pulmonary trunk, 314

Richter's syndrome, in CLL, 118 chromosome studies in, 135

Salivary gland tumors

chemotherapy in adenocystic carcinomas, 453

in Malawi, 2328 parotid

hemangioendothelioma in infants, 2250

sebaceous differentiation in adenoid cystic carcinoma,

Sarcoma

angiosarcoma of breast, 368

of aorta, with vascular prosthesis, 398

chondrosarcoma, 178

as secondary neoplasm in children, 2603

granulocytic, gallium scanning in, 1357 of head and neck, postradiation, 1982

immunoblastic, in immunodeficiencies, 692

leiomyosarcoma of bone, 1270

lymphangiosarcoma of anterior abdominal wall, 1228

melanotic clear-cell, spinal, 718

metastatic, chemotherapy in, 446, 1722

osteogenic. See Osteosarcoma

polypoid, of pulmonary trunk, 314

retroperitoneal, pulmonary embolus from, 1492 rhabdomyosarcoma. See Rhabdomyosarcoma

soft-tissue

criteria for evaluation of, 796

high-dose methotrexate in, 1345

maytansine trial in, 1104

in young patients, 621 Scanning. See also CT scanning

gallium, in granulocytic sarcoma, 1357

Scar carcinoma, pulmonary, in Hodgkin's disease, 1868

Schistosomiasis, colorectal cancer in, 1661

Schwannomas

malignant, 1202

pigmented, of spinal canal, 321

Screening program

for breast cancer, 926

developments in, 957

familial mammographic parenchymal patterns in, 2433

lead time and length bias in, 844

and variables as risk factors, 1280

for radiation-induced thyroid cancer, 1218

Sebaceous differentiation, in adenoid cystic carcinoma of parotid gland, 1405

Seminomas

mediastinal, 1187

VP-16 in, 2154

Sertoli cell tumors feminizing, with Peutz-Jeghers syndrome, 223

of ovary, 2281

Sezary syndrome, and imprint preparations of marrow biopsies, 173

Sialic acids in transitional mucosa, in colorectal cancer, 764 Sindhis in Bombay, cancer in, 2107

apudoma of, 1810

changes from particle radiotherapy, 633

laser radiation therapy in tumors, 2172

melanoma of. See Melanoma

metastases from endometrial carcinoma, 1471

metastatic basal cell carcinoma of, 748

mycosis fungoides. See Mycosis fungoides

pemphigus vulgaris with squamous cell carcinoma, 1374 small cell carcinoma of, 2308

Small-cell carcinoma

of lung. See Lung, cancer of, small-cell

of skin, 2308

Smoking, and misdiagnosis of bronchogenic carcinoma, 190

Solid tumors, measurement of, 1286

Spermidine and spermine, urinary levels in breast cancer,

Spindle cell carcinoma, of penis, 2266

Spine

lymphoma of, cerebral involvement in, 1258

melanotic clear-cell sarcoma of, 718

meningeal uptake of technetium-99m MDP, 2413

osteosarcoma of vertebral column, 595 pigmented schwannomas of canal, 391

Spleen, rupture in plasma cell leukemia, 202

Squamous cell carcinoma

cervical, and cytotoxic blocking activity in serum, 2573

of head and neck, recurrent, 1324

detection of asymptomatic cases, 758

neck dissection in, 386

in pemphigus vulgaris, 1374

thyroid, 1833

Steroid hormones, urinary, after mastectomy, 1087

Steroid receptors. See Androgen receptors; Estrogen recep-

tors; Progesterone receptors

Stomach

apudoma of, ACTH-producing, 1263

cancer of

and CEA in gastric juice, 2686

maytansine trial in, 1104

recurrence of, 168

survival analysis of, 2709

perforation in metastasis from lung cancer, 1879

plasmacytoma of, extramedullary, 1753

Streptococcus pyogenes, and antitumer activity of picibanil, 1688

Strokes, in childhood ALL, 1548

Strumal carcinoid, of ovary, 2019

Surgery in bile duct cancer, hilar, 415

in breast cancer, 983

chemotherapy with, 2373

and management of remaining breast, 1026

and postoperative radiation, I

reconstructive surgery after, 1053

hepatic artery ligation in hepatocellular carcinoma, 2717

in intracranial metastases of melanoma, 2088

and intraoperative radiotherapy in biliary tract carcinoma, 2179

oophorectomy

in breast cancer, 1061

in pulmonary lymphangiomyomatosis, 2248

in oral cavity carcinoma, 386

in oropharyngeal carcinoma, after radical radiation, 1910

in pulmonary metastasis of choriocarcinoma, 2723

radiation with. See Adjunct and multimodality therapy in renal cell carcinoma, bilateral, 2341

Survival of cancer patients

in breast cancer, relation to estrogen receptors, 2765

in gastric cancer, 2709

in lung cancer

with chemotherapy in advanced epidermoid disease, 34 and HLA type, 38

Susceptibility to cancer, nature of, 1307

T

Tamoxifen, in melanoma, 1470

Technetium-99m MDP, spinal meningeal uptake of, 2413

Teratocarcinoma, VP-16 in, 2154

Teratoma

in infancy and childhood, 630

retroperitoneal, production of hCG, 355

Testicular tumors

chemotherapy in, 1339

endodermal sinus, 1213

radiotherapy in leukemia, 508

Sertoli cell, with Peutz-Jeghers syndrome, 223

serum α -fetoprotein levels in germ cell tumors, 380

VP-16 in, 2154

Testolactone, with chemotherapy and radiotherapy, in pan-

creatic carcinoma, 1518

Thermography, in breast cancer detection, 933

6-Thioguanine

in acute nonlymphocytic leukemia

cytosine arabinoside with, 22

with adriamycin, prednisone, and vincristine, 663

in intensive chemotherapy regimens for children with ALL, 241

Thio-tepa, in breast cancer, 1080

Thrombosis, and cerebral infarction in childhood ALL, 1548 Thymidine kinase activity, in lung and intestinal tissue, 2047

3H-Thymidine labeling index

and cell kinetics in breast cancer, 2634 and treatment of acute leukemia, 2298

Thymoma

invasive, combination chemotherapy in, 1523

lymphocyte reactivity in, 2055

Thymus

humoral factor affecting T-cell function in mycosis fungoides, 41

lymphocyte reactivity in, 2055

Thyroid tumors

after treatment for ALL, 1572

impaired cell-mediated immunity in, 285

lymphoma with plasmacytoma, 2671

medullary, ACTH-secreting, 2667

papillary, familial, 1291

radiation-induced, 1218

squamous-cell and adenosquamous carcinomas, 1833

Toluidine blue, in detection of asymptomatic oral squamous carcinoma, 758

Tonsillar lymphoma, after gastrointestinal lymphoma, 1528 Transitional cell carcinoma of bladder, regression of, 1499

Transitional mucosa, in colorectal cancer, 764

Tuberculosis, pulmonary, activation by radiation, 1581 Tubular carcinoma, in cystosarcoma phyllodes of breast, 1863

Tunisia, breast cancer in, 2741

U

Ultrasound

in breast cancer detection, 933

heating methods with. See Hyperthermic therapy

in pancreatic malignancy detection, 2410

Urinary tract obstruction, and renal failure in multiple myeloma, 1893

Urothelium, tumor cell implantation in, 1158

Uterine tumors

cervical. See Cervix uteri cancer

endometrial. See Endometrial carcinoma

and estrogen receptors in lyophilized tissue, 2762

progesterone receptors in myomas, 2801 ultrastructure of adnexal tumor, 2273

V

Vaccines, immunogenic. See Immunotherapy

Verrucous conditions

carcinoma of larynx, 1617

hyperplasia of oral mucosa, 1855

Vertebral conditions. See Spine

Vinblastine

in adenocystic carcinoma, 452

in Hodgkin's disease

adriamycin, bleomycin and dacarbazine with, plus other drugs and radiation, 233

CCNU, prednisone and procarbazine with, 654

platelets loaded with, in therapy of erythrophagocytic lymphohisticcytosis in twins, 2566

Vincristine

in acute myelogenous leukemia, adriamycin, prednisolone, cytosine arabinoside and BCG with, 2142

in acute nonlymphocytic leukemia

adriamycin, cytosine arabinoside, 6-thioguanine and prednisone with, 663

cyclophosphamide, cytosine arabinoside and prednisone with, 22

6-mercaptopurine, methotrexate and prednisone with, 22 in adenocystic carcinoma, 452

and development of methotrexate toxicity, 2571

in endometrial carcinoma, adriamycin, cyclophosphamide and 5-fluorouracil with, 2162

in Hodgkin's disease

nitrogen mustard, procarbazine and prednisone with, plus other drugs and radiation, 233

in intensive chemotherapy regimens for children with ALL, 241

and leukocyte cytotoxicity against herpes-infected cells, 1555

in lymphomas

cyclophosphamide, adriamycin and prednisone with, 2356

cyclophosphamide and prednisone with, 2356

cyclophosphamide, procarbazine and predaisone with,

as maintenance therapy in ALL

in Djerassi-methotrexate-BOMB regimen, 1093

prednisone, methotrexate and 6-mercaptopurine with,

in melanoma metastasis, DTIC, CCNU and bleomycin with, 2346

in testicular cancer, platinum and bleomycin with, 1339

in thymomas, invasive, cyclophosphamide, prednisone and procarbazine with, 1523

Vindesine, in colorectal cancer, MER with, 463

Viral-related proteins, in breast cancer, 879

Viruses

drugs affecting leukocyte cytotoxicity against herpes-infected cells, 1555

Epstein-Barr virus and nasopharyngeal carcinoma in Alaskan natives, 2100

hepatitis B virus and hepatocellular carcinoma, 1117 in China, 1612

herpes virus tumor associated antigen from kidney carcinoma, 1594

Viscosity of blood, increased, in chronic granulocytic leukemia, 1418

Vitamin A, in recurrent head and neck cancer, adriamycin, bleomycin, 5-fluorouracil and methotrexate with, 1324

VM-26, with cytosine arabinoside, in childhood ALL, 1727 VP-16

in germinal neoplasms, 2154

in small-cell carcinoma of lung, cyclophosphamide, adriamycin and BCG-MER with, 2543

Vulva, Paget's disease of, topography of, 590

Vulvectomy, and lymphangiosarcoma of anterior abdominal wall, 1228

W

Waldenstrom's macroglobulinemia, and imprint preparations of marrow biopsies, 173

Waldeyer's ring, lymphoma of, after gastrointestinal lymphoma, 1528

Wiskott-Aldrich syndrome, lymphomas in, 692

Y

Yolk sac tumors

human, transplanted in nude mice, 2446 testicular, 1213

Z

Zinc

ratio to copper in serum, in breast lesions, 2682 tissue levels in lymphomas, 565

Author Index—Volume 46

A

Abe, M. 2472 Abe, T. 289 Abu-Zahra, H. 1104 Ackerman, L. V. 1612 Adams, C. K. 408 Addis, B. J. 340 Adult Intergroup Soft-tissue Sarcoma Committee, 796 Aikawa, M. 1397 Aisner, J. 2543 Akatsuka, A. 2446 Albert, S. 2433 Albertson, D. 1775 Alcock, N. 2009 Alexieva-Figusch, J. 2369 Ali, N. O. 1763 Allegra, J. C. 2829 Alpen, E. L. 633 Alroy, J. 64 Alvarez-Fernandez, E. 144 Amadori, S. 1319 Amjad, H. 615 Andersen, K. 1291 Andrieu, J. M. 2126 Angervall, L. 1270 Aoki, I. 1192 Aoki, Y. 2373 Applefeld, M. M. 1479 Arafah, B. 2838 Aranha, G. 822 Arbeit, J. M. 1492 Arii, Y. 2723 Arlin, Z. 233 Armentrout, S. A. 1893 Armstrong, D. 2195 Arseneau, J. C. 1329 Arslan-Pagnini, C. 1280 Asai, Y. 2723 Asakura, H. 2179 Ashikari, H. 2682 Asselain, B. 2126 Auclerc, M. F. 1996 Auda, S. P. 1962 Aufses, A. H., Jr. 403, 700 Aur, R. J. 1727 Averette, H. E. 2159 Avery, T. L. 1727 Axelrod, A. 87, 2263 Ayala, A. G. 508 Azar, H. A. 1428

B

Baba, M. 2686 Baccarani, M. 1735 Bachmann, A. E. 299 Bachur, N. R. 1715 Baehner, R. L. 2004 Baggerman, L. 380 Bahendeka, S. 2717 Bahi, J. 2741 Bahu, R. M. 1775 Baker, L. H. 1104 Balcerzak, S. P. 1817 Ballard, J. O. 1731 Ban, S. 1562 Band, P. R. 2667 Bandieramonte, G. 1887 Banerjee, C. K. 2421 Bank, A. 654 Baral, E. 1353 Barclay, T. H. C. 2747 Barcos, M. P. 215, 1383 Barlow, J. J. 1333 Barnes, D. M. 2939 Baroni, C. D. 2055 Barr, R. J. 557 Barrai, I. 1280 Barrett, A. 1187 Bartal, A. H. 2091 Bartlett, G. L. 480, 488, 500, 685 Barton, J. C. 1767 Barton, T. K. 2463, 2846, 2851 Barwick, K. W. 595 Bashiti, H. O. 1695 Battifora, H. 1775 Bauer, W. C. 547, 1974 Bauermeister, D. E. 947 Bausch, J. 879 Bayle-Weisgerber, C. 2126 Beard, M. E. J. 135 Beauregard, H. 2667 Beck, G. J. 2654 Beck, J. D. 45 Beck, K. 2770 Bedetti, C. D. 2596 Bedikian, A. Y. 463 Bedolla, N. 223 Bedros, A. A. 801 Beg, J. A. 2325 Bekerman, C. 1218 Bekesi, J. G. 700 Belhassen, S. 2741 Bell, R. 2142 Belle, S. 2433 Belloni, C. 1887 Belt, R. J. 455, 2365 Beltran, G. 1590 Bender, T. 2100 Benjamin, R. S. 261 Benraad, Th. 2762 Berard, C. 29, 1428 Berg, S. I. 2341 Berger, N. A. 22 Berlin, Ö. 1270

Berman, M. M. 1448 Bernard, J. 1996, 2126 Bernardino, M. E. 2410 Berry, D. H. 1098 Bertino, J. R. 1509 Beverley, P. 2640 Bianchi, F. B. 497 Bickers, J. 2335 Bigelow, B. 2273 Billings, J. A. 340 Binder, R. B. 1544 Bisel, H. F. 1079 Bishop, C. R. 615 Bishop, H. M. 2765 Biti, G. 2590 Bitran, J. D. 2550 Björkstén, B. 325 Black, A. L. 427 Black, M. M. 2747 Blackledge, G. 1324 Blake, J. R. S. 2765 Blamey, R. W. 2765 Blanck, R. 152 Blasko, J. C. 1903 Bleisch, V. R. 314 Blom, J. 654 Blomgren, H. 1353 Bloom, N. 2789, 2896 Bloomfield, C. D. 663, 2403 Blum, R. H. 1722 Blumenschein, G. R. 162, 438 Bocian, J. J. 368 Bodey, G. P. 463, 2356 Boggs, D. R. 2596 Bojar, H. 2770 Bolen, J. W. 2456 Bolivar, R. 1555 Bollinger, R. O. 615 Bolton, P. M. 475 Bonfiglio, T. A. 2257 Bookwalter, J. R. 415 Borg, S. 1329 Borgstein, J. 2328 Boriani, S. 804 Borum, K. 1247 Bosi, A. 1735 Bosl, G. J. 663 Bowman, W. P. 1727 Bradstock, K. F. 2640 Brady, M. F. 2393 Bragg, K. 818 Brandes, D. 2203 Branfoot, A. C. 764 Branson, H. 1893 Braun, D. W., Jr. 919, 1746 Braverman, I. M. 2654 Braylan, R. C. 730 Braylan, R. R. 1428

Breast Cancer Prognostic Study Clinical and Pathology Associates, 2794 Brennhovd, I. O. 1291 Breuer, A. C. 1258 Brigati, D. J. 2896 Brinkhous, A. D. 2463 Brodeur, G. M. 1197 Bronstein, B. R. 266 Brooks, P. L. 1123 Brooks, S. C. 2775, 2794, 2925, 2932 Brown, B. L. 543 Brown, G. R. 1 Brown, J. 2009 Bruni, C. 2068 Brunner, K. 654 Bryce, D. P. 1883 Bucciarelli, E. 1140 Bundy, B. 1087 Burchenal, J. 241 Burgener, F. A. 56 Burger, P. C. 1179 Burgert, E. O., Jr. 516 Buriani, C. 1280 Buss, D. H. 2671 Butler, J. J. 2484 Buzdar, A. U. 162, 438 Byrd, B. F., Jr. 1084

C

Cabanillas, F. 2356 Caces, J. 1197, 2520 Cachin, Y. 386 Cadman, E. C. 1509 Callen, P. W. 1263 Callihan, T. R. 1428 Camitta, B. M. 1572 Campanacci, M. 804 Canellos, G. P. 669, 1722 Cantú, J. M. 223 Cantù Rajnoldi, A. 1319 Caprini, J. A. 977 Carlson, C. A. 2859 Carlson, M. 1345 Carson, S. 615 Carter, A. C. 1087, 2896 Carter, J. R. 190 Cassiere, S. G. 2319 Castro, J. R. 633 Catalano, R. B. 433 Cebelin, M. S. 1843 Cechner, R. L. 190 Cerezo, L. 2168 Chamberlain, W. 190 Chan, R. 508 Chang, C. H. J. 939 Chang, J. 1378 Chang, P. 1715 Chang-Chien, Y. 285 Chapman, P. H. 1253 Chassagne, D. 386 Chastang, C. 1996, 2126 Chadhuri, B. 605, 611 Chejfec, G. 713 Chen, G. T. Y. 633 Chen, K. T. K. 368 Chen, M. G. 1509 Chen, S-Y. 552

Chen. Y-C. 285 Chevalier, L. 1913 Chism, S. E. 1683 Chi-Yuan, C. 1661 Chu, F. C. H. 1075 Chuang, M. T. 1476 Chuang, V. P. 261 Churg, A. 1263 Ciampi, A. 1825 Clark, A. R. 1657 Clark, W. H. 1787 Clarkson, B. 45, 233, 241, 725 Clunie, G. J. A. 475 Coates, T. D. 1548 Cocchiara, R. 1594 Coccia, P. F. 1548 Coggin, J. T. 330 Cohen, C. 186 Cohen, C. J. 543 Cohen, E. 977 Cohen, J. L. 1781, 2919 Cohen, L. 2550 Cohen, M. 256 Cohen, S. R. 2654 Coia, L. R. 1982 Coldman, A. J. 1896 Cole, P. 865 Colombano, S. P. 2312 Conrad, M. E. 1767 Conti, U. 1887 Cooksey, J. A. 2550 Coon, J. S., IV. 64 Cooney, D. P. 2093 Cooney, T. P. 2623 Cooper, M. R. 34, 654 Corlette, M. B., Jr. 415 Corson, J. M. 1722 Cortés-Gallegos, V. 223 Cossman, J. 1428 Costello, W. G. 29 Cowan, J. D. 2168 Cox, C. 2846 Cox, R. S. 1240 Craig, J. R. 372 Cramer, S. F. 1374, 1405 Creagan, E. T. 1785 Creech, R. H. 433 Crowley, J. P. 1528 Crowther, D. 1324, 1378 Cuatico, W. 303 Cullen, M. H. 2142 Cummings, G. 2925 Cunningham, M. P. 977 Cunningham-Rundles, S. 2577, 2682 Cuttner, J. 654

D

Da Costa, M. 471 Dahl, G. V. 1727 Dajani, Y. F. 420 Damewood, M. D. 1471 D'Amico, R. P. 1528 Dandliker, W. B. 2902 D'Angio, G. J. 2603 Daniels, J. C. 38 Danon, F. 1753 Dao, T. L. 2779 Dara, P. 1893 David, M. 41 Davis, S. L. 2380 Dayal, Y. 1566, 1759 Debanne, S. M. 2805 DeBoer, G. 1883 Dedo, H. H. 1683 Degenshein, G. A. 2789, 2896 Degnan, T. J. 152 Dehner, L. P. 692 Deitchman, B. 1152 Dekker, A. 336 Delellis, R. A. 2872 Del Prete, G. 2590 DeMeester, T. R. 2550 Demopoulos, R. I. 2273 Deng, J-S. 285 De Palo, G. 1887 Deppe, G. G. 543 Desai, D. V. 2149 Desmet, V. 1810 DeSombre, E. R. 2783 Desser, R. K. 2550 Deutsch, M. 1 Devereaux, J. M. 2325 Devita, V. T., Jr. 999 De Wolf-Peeters, C. 1810 Diamond, L. W. 730 Díaz, M. 223 Dighe, P. 1763 Di Gioia, M. 1594 Di Montezemolo, L. C. 1319 Dini, M. M. 2573 Di Sant'Agnese, P. A. 780 Dixon, D. O. 446 Dombernowsky, P. 253, 279 Donald, D. 2505 Dougherty, J. B. 1731 Douglass, H., Jr. 1536 Doyle, P. J. 2765 Drago, J. R. 273 Duck, S. C. 1572 Dury, M. 475 Duthie, K. 1705 Dvoretsky, P. M. 2257 Dwyer, S. J., III. 939 Dyment, P. G. 508

E

Eads, D. 1360 Eckert, C. 2805 Edmondson, H. A. 372 Edsmyr, F. 1802 Edson, J. R. 1548 Egorin, M. J. 1715 Ehrlich, C. E. 2961 Einhorn, L. H. 1339, 2154, 2961 Elder, D. E. 1787 Elias, E. G. 1962 Elias, J. M. 1612 Elkon, D. 2509 Elkort, R. J. 647 Elliott, R. S. 1849 Elston, C. W. 2765 Elwood, J. M. 1896 Elwood, P. W. 1584 Emory, W. B. 2319

Engstrom, P. 1536 Enjoji, M. 2238 Ensminger, W. 266 Epstein, E. 818 Esseltine, D-L. 1913 Estevez, M. E. 299 Ettinger, D. S. 2308 Evans, A. E. 293 Evans, W. K. 1523 Eyster, M. E. 1731 Ezdinli, E. Z. 29, 2149

F

Faiferman, I. 2573 Falconi, L. M. 1228 Falini, B. 1140 Falk, J. A. 1825 Falkson, G. 654, 2149 Farago, G. A. 2731 Farber, L. R. 1509 Farmer, E. R. 748 Favara, B. E. 2035 Fazekas, J. T. 1982 Fiebleman, C. E. 2492 Feinstein, M. 152 Feld, R. 1523 Feldman, M. I. 647 Feldstein, M. L. 1932, 2797 Feltkamp, C. A. 2210 Feltkamp-Vroom, T. M. 2210 Fenoglio, C. 879, 2607, 2617 Ferlito, A. 1617 Fernbach, D. J. 1098 Ferrazzi, E. 2889 Fetter, B. F. 2851 Feuerman, E. 41 Filipe, M. I. 764 Firkin, F. C. 1657 Fischer, D. B. 1509 Fischer, D. S. 1509 Fisher, B. 1, 908, 1009 Fisher, E. R. 908, 1009 Fitzgerald, P. H. 135 Flaminio, G. 1594 Fleming, P. 1360 Fletcher, G. H. 995 Fletcher, M. S. 1879 Fletcher, R. 2154 Flint, A. 1676 Flippin, T. 1759 Flotte, T. 2273 Flowerdew, G. 1286 Flye, M. W. 1492 Flynn, W. J. 2805 Forcier, R. J. 1123 Ford, J. M. 2142 Forman, J. 266 Fors, E. 1775 Foster, J. H. 1448 Foucar, K. 118 Fraile, R. J. 1104 Fräki, J. 1795 Franco, L. 2925 Franklin, R. 1104 Freeman, A. I. 2603 Freeman, C. R. 1913 Frei, E., III. 669, 1722

Freireich, E. J. 2356 Frenning, D. H. 2814 Friedman, M. A. 1263 Fritz, S. L. 939 Frizzera, G. 692 Fry, C. G. 2902 Fryer, C. J. H. 1896 Fujita, T. 355 Furmanski, P. 2794 Furnival, C. M. 475 Furukawa, T. 2446

G

Gad el Mawla, N. 446 Gaetjens, E. 2896 Gajwani, B. W. 2325 Galian, A. 1753 Gallagher, H. S. 590, 905 Gamble, J. F. 2349 Garcia, J. M. 838 Gardelli, T. 497 Gardner, D. G. 2514 Garofalo, J. A. 2682 Garrett, T. 45 Gay, J. 2814 Gee, T. 139, 233, 725 Gehan, E. A. 516 Gehrke, C. W. 741 Gelber, R. 2149 Gelman, R. 669 George, F. W., III. 1360 Geraci, D. 1594 Gerard-Marchant, R. 2131 Gerety, R. J. 736 Gershwin, M. E. 273 Gesell, M. S. 2203 Gevirtz, N. R. 1731 Gezer, S. 615 Ghosh, L. 611 Gibbs, G. 663 Gibson, S. L. 2797 Gillman, M. W. 2116 Gindhart, T. D. 1683 Giolma, J. P. 831 Girtanner, R. E. 2159 Giunti, A. 804 Glatstein, E. 1969 Glaubiger, D. 1969 Glick, J. H. 1919 Glidewell, O. J. 654 Gnepp, D. R. 1405 Goh, K-o. 109 Goldman, A. I. 2403, 2814 Goldman, J. F. 156 Goldman, L. B. 273 Goldman, L. I. 1787 Goldman, S. C. 1787 Goldstein, M. K. 408 Golomb, H. M. 50, 2550 Gómez, C. 838 Gómez, P. 838 Gonzalez-Crussi, F. 77 González-Mendoza, A. 223 Good, R. A. 45, 725, 2682 Goodchild, N. T. 2360 Gordon, L. I. 2550 Gordon, R. 543

Gotoh, S. 2723 Gottlieb, A. J. 654 Gottlieb, J. A. 446 Gough, I. R. 475 Gould, V. E. 64, 713 Gowdy, R. A. 1360 Graham, J. 229 Graham, J. H. 557 Gray, R. E. 1868 Greaves, P. 764 Greco, F. A. 2154 Green, D. 1763 Green, J. A. 2505 Greenberg, B. R. 1174 Greenberger, J. S. 1722 Greene, M. H. 1787 Greengard, O. 2047 Greenstein, A. J. 403 Gregory, W. 2142 Gribetz, A. R. 1476 Griem, M. L. 2550 Griffin, T. W. 1903 Griffiths, C. T. 669 Griffiths, K. 2765 Grignani, F. 1140 Gropp, C. 347 Groudine, M. T. 1903 Grufferman, S. 2116 Gruhn, J. G. 713 Gulati, S. C. 725 Grumbine, F. C. 1471 Gunn, R. A. 590 Grunwald, H. 654 Gupta, N. 1781 Gupta, S. 45, 2577 Gurecki, J. 336 Gutterman, J. U. 463

H

Haagensen, D. E. 2846 Haas, C. D. 455, 2365 Haas, J. S. 1950 Haenszel, W. 957 Hafström, L. 2088 Hagemeister, F. B., Jr. 162 Haghbin, M. 45, 241, 2577 Hahn, D. 1715 Hahn, G. M. 1986 Hahn, R. G. 2149 Haid, M. 229 Haije, W. G. 380 Hall, D. C. 408 Halmi, N. S. 1584 Hamer, J. W. 135 Hamilton, D. G. 186 Hamilton, G. W. 1109 Hamilton, R. W. 1731 Hammer, M. 2062 Hammond, E. C. 2736 Han, T. 1383, 2416 Hankey, B. F. 1087 Hanley, J. A. 1910 Hann, H-W. L. 293 Hann, R. S. 293 Hansen, H. H. 206, 279 Hansen, M. 279, 2062 Hanson, W. F. 1

Harbour, J. 1263 Harnden, D. 1401 Harousseau, J. L. 1996 Harris, J. R. 988 Harris, R. E. 2004 Harrison, W. H. 1849 Hartman, G. V. 1950 Hartsock, R. J. 29 Harwood, A. R. 1883 Hasegawa, D. K. 1548 Hasegawa, T. 2438 Hashmi, K. 1378 Hata, J-I. 2446 Hatch, H. B., Jr. 2319 Hattori, K-I. 2298 Hattori, M. 355 Haurani, F. 654 Havemann, K. 347 Hayashi, K. 642 Hayat, M. 2131 Haybittle, J. L. 2765 Hayward, J. L. 2922 Hecht, S. 2577 Heck, H. A., Jr. 1873 Heenan, P. J. 2702 Heilbrun, L. K. 1518, 2335 Hellman, S. 988 Helmkamp, F. 2159 Helwig, E. B. 748, 2074 Hempelmann, L. H. 2257 Henderson, E. S. 1383 Hendrickson, F. R. 1925, 2587 Henle, G. 2100 Henney, J. E. 999 Hennick, L. A. 1128 Henry-Amar, M. 2131 Herbert, V. 1042 Hermann, R. E. 2805 Hernández, A. 223 Herr, H. W. 1499 Herrmann, R. 215, 1383 Hersh, E. M. 261, 463, 2185 Herson, J. 508, 1093, 1098 Hertel, B. 822 Herzfeld, A. 2047 Herzig, R. H. 1397 Heuson, J. C. 2889 Hild, D. H. 1418 Hilf, R. 2797 Hill, F. G. H. 1401 Hirakawa, A. 2709 Hire, E. A. 2925 Hirsch, F. R. 206, 279 Ho, K-L. 1442 Hodach, A. E. 1572 Hoffman, P. C. 2550 Hoffman, P. G. 2801 Holcenberg, J. S. 1572 Holland, J. 229 Holland, J. C. 1045 Holland, J. F. 654 Holleman, I. L., Jr. 2671 Holubar, K. 1135 Homzie, M. J. 2509 Hoogstraten, B. 2365 Hop, W. C. J. 2369 Hoppe, R. T. 1240 Horoupian, D. S. 156, 537

Horstmann, J. P. 822 Hortobagyi, G. N. 438 Hoth, D. F. 1544, 2014 Houch, J. F. 2697 Howarth, C. B. 2520 Huang, A. T. 2346 Hubay, C. A. 2805 Hummer, L. 2062 Humphrey, L. J. 893 Hunt, S. 2902 Hurtubise, P. E. 1817 Husain, M. 87 Hutt, M. S. R. 2328 Hutter, R. V. P. 961 Huvos, A. G. 595 Hyman, P. 152

1 Ignatoff, J. 229 Iizuka, A. 2534 Ikerionwu, S. 2322 Ikram, H. 1117 Ilardi, C. F. 1612 Imaizumi, M. 2723 Imanishi, J. 1562 Inada, T. 2179 Indira, M. 2430 Ingle, J. N. 1785 Inokuchi, K. 168 Inoue, S. 615 Investigators in the National Prostatic Cancer Project, 2393 Igbal, M. P. 471 Isaacson, P. 340 Isacoff, W. 471 Ishikawa, O. 1192 Ito, H. 1562 Itoh, I. 642 Itoh, T. 2686 Ivey, H. H. 2068 Ivor, L. 1602 Iwanaga, T. 1192, 2373 Iwasaki, H. 2238

Jackson, D. V. 34 Jacobs, S. C. 2341 Jacquillat, Cl. 1996 Jaffe, E. S. 1428 Jain, K. 1992 Jakobiec, F. A. 576 James, K. K. 64 James, L. P. 173 Janne, O. 2162 Janossy, G. 2640 Janowitz, H. D. 403 Jen-Chun, H. 1661 Jenkin, D. 621 Jenkin, R. D. T. 2603 Jenkyn, L. R. 1123 Jennette, C. 1411 Jensen, E. V. 2759, 2783 Jewell, W. R. 939 Jiang, N-S. 1785 Jing, B-S. 2410

Iwasaki, Y. 2179

Johansson, B. 1353 Johnson, A. B. 156 Johnson, S. A. N. 2142 Johnston, S. 261 Johnston, W. H. 1683 Jolivet, J. 2667 Jonat, W. 2809, 2835 Jones, F. J. 675 Jones, J. C. 2805 Jones, L. A. 2801 Jones, S. E. 2380 Jönsson, P-E. 2088 Jungblut, P. W. 2950 Jussawalla, D. J. 2107

K

Kahana, L. 2091 Kajita, A. 2373 Kalyanaraman, U. P. 1584 Kamal, M. F. 420 Kameya, T. 1389 Kamin, P. D. 2410 Kaneko, H. 642 Kaneko, T. 2250 Kangarloo, H. 1741 Kaplan, H. S. 1240 Kaplan, J. 615 Kaplan, M. H. 2195 Kaplan, W. D. 266 Karakousis, C. P. 1345 Karlberg, I. 71 Karlin, D. A. 2014 Kaseki, S. 2723 Kashiwara, S. 2709 Katele, G. V. 1763 Kato, T. 14 Katoh, T. 2250 Katongole-Mbidde, E. 2717 Katsilas, D. C. 488 Kauppila, A. 2162 Keating, M. J. 1577 Keller, B. E. 1932 Kellermeyer, R. W. 1397 Kelly, W. 647 Kelsen, D. P. 2009 Kemel, S. 1503 Kempin, S. 233 Kenda, R. 1887 Kennedy, B. J. 2814 Kennedy, J. 455 Kenny, M. A. 675 Kersey, J. H. 692 Kerwin, D. M. 2566 Keydar, I. 879 Khandekar, J. D. 977 Khilanani, P. 87 Kiang, D. T. 2814 Kiehn, C. L. 1405 Kies, M. S. 831, 2168 Kikuchi, M. 2238 Kim, H. D. 2596 Kimball, J. C. 1093 Kindblom, L-G. 1270 King, R. J. B. 2818, 2822 Kinne, D. E. 919 Kinnealey, A. E. 2550 Kirkegaard, D. D. 368

Kishida, T. 1562 Kissane, J. 516 Kitamura, M. 642 Kitamura, T. 2250 Kitzsteiner, K. A. 2248 Kjeldsberg, C. R. 2648 Klaassen, D. 1536 Klahr, C. 22, 2389 Klappenbach, R. S. 2566 Klein, M. 1715 Kleinman, G. M. 1202 Klemi, P. 1795 Klemperer, M. 109 Knapp, R. C. 669 Knapp, W. 1135 Knight, W. A., III. 2884 Knisley, R. E. 1528 Knowles, D. M., II. 576, 780 Kobayashi, S. 2298 Kodama, Y. 168 Koenders, A. 2762 Kohl, S. 1555 Kohno, S-I. 2227 Kolarić, K. 565 Kondoh, T. 2723 Korenman, S. G. 874 Kosaki, G. 2373 Kosmidis, P. A. 2263 Koudstaal, J. 2210 Koyama, H. 2373 Koziner, B. 45, 233, 725 Kozlov, A. P. 2172 Kramer, S. 1982 Kraus, F. T. 314, 1695 Krebs, H-B. 2159 Kreider, J. W. 480, 488, 500, 685 Krikorian, J. G. 2093 Kristensen, D. 253 Krivit, W. 1548 Krown, S. E. 1746 Kuhn, R. W. 2801 Kuhnel, R. 2902 Kujansuu, E. 2162 Kumagai, I. 14 Kuo, K. C. 741 Kuramoto, S. 2709 Kuroki, M. 2438 Kurtz, J. 1903 Kurup, P. 2587 Kurup, P. A. 2430 Kwock, L. 2360 Kwon, C. S. 2747 Kyalwazi, S. K. 2717 Kyriakos, M. 2525

L

Ladiges, W. C. 675 Lam, W. K. W. 706 Land, C. E. 868 Land, V. 508 Lange, P. 1366 Lanier, A. 2100 Lapayowker, M. S. 933 Laramore, G. E. 1903 Lassila, O. 1795 Latchaw, R. E. 1548 Late Effects Study Group, 2603 Laugier, A. 2131 Lavin, P. 1286, 1536 Lawson, R. K. 2341 Lazarus, H. M. 1397 Leav, I. 2872 Leborgne, F. 1228 Le Bourgeois, J. P. 2131 Leclercq, G. 2889 Lederman, R. J. 1258 Lee, B. J. 139, 233 Lee, C. H. 1657 Lee, C. K. K. 2403 Lee, D. A. 457 Lee, H. 109 Lee, J. C. K. 2693 Lee, J. Y. 1974 Lee, S. H. 2825 Legha, S. S. 438 Legros, N. 2889 Leis, H. P., Jr. 1026, 2747 Lele, S. B. 1333 Lenner, P. 325 Lenzi, M. 497 Leone, L. 654 Leong, A. S-Y. 1863 Leroy, A. 1715 Lesser, M. L. 1705, 2682 Letton, A. H. 980 Levene, M. B. 988 Levin, B. 2014 Levine, P. H. 2741 Levitan, J. 1405 Levitt, S. H. 2403 Levy, B. E. 1357 Lewinski, U. H. 2185 Lewison, E. F. 859 Lezotte, D. 2859 Lhandekar, D. 229 Li, C-Y. 706 Li, F. P. 2603 Liaw, K-Y. 285 Libbey, N. P. 1448 Lichtenstein, H. L. 2693 Lichter, A. 1969 Lightdale, C. J. 1117 Lilleyman, J. S. 468 Limas, C. 1366 Lin. F. 939 Lin, P. S. 2360 Linggood, R. M. 1253 Lipper, S. 1411 Lippman, M. E. 2829, 2859 Lipshutz, M. D. 1422 Lister, T. A. 2142 Little, C. 139 Little, J. M. 1913 Livingston, R. 2335, 2557 LiVolsi, V. A. 391 Lobuglio, A. F. 1817 Lockman, L. A. 1548 Loh, K. K. 2349 Lok, M. S. 1383 London, W. T. 293 Look, A. T. 1197 Lote, K. 1291 Lowenstein, M. S. 266 Lowman, R. M. 391 Lubahn, D. B. 1463

Lucas, V. S., Jr. 2346 Luddy, R. E. 1357 Luna, M. A. 162 Lundgren, E. 325 Lundholm, K. 71 Lutes, R. 1509 Lyman, J. T. 633

M

Maass, H. 2809, 2835 MacDonald, J. S. 2014 MacKay, B. 2484 Mackie, B. S. 1657 Madon, E. 1319 Madura, J. A. 1146 Maetani, S. 2709 Maggi, E. 2590 Mahomed, Y. 1374 Maini, B. S. 398 Maize, J. C. 2492 Malatjalian, D. A. 420 Mallen, R. G. 2248 Malloy, M. 663 Malpas, J. S. 2142 Manaligod, J. R. 605, 2266 Mancini, A. F. 497 Mandel, M. A. 1374 Mandelli, F. 1319 Mangioni, C. 1887 Mangkornkanok-Mark, M. 1775 Manglani, K. S. 2266 Mann, J. R. 1401 Manni, A. 2838 Mansfield, C. M. 1950 Mansour, E. G. 2805 Marcial, V. 1910, 1919 Marcus, F. S. 1263 Marcus, P. B. 718 Margolis, H. 87 Maričič, Ž. 565 Marien, K. 1810 Marks, J. E. 1974 Markus, S. 1715 Marmor, J. B. 1986 Maroun, J. 463 Marshall, J. S. 2805 Marshall, R. B. 2671 Marsland, T. A. 2919 Martel, N. 736 Martelli, M. F. 1140 Marti, R. 1753 Martin, J. H. 718 Martin, S. A. 1974 Martinez, F. 838 Martino, S. 2925 Marzi, M. 1887 Masera, G. 1319 Mashberg, A. 758 Masnyk, I. J. 1087 Mason, E. M. 980 Masters, S. 1158 Masterson, B. J. 1950 Mastrovito, R. 1045 Mathe, G. 2131 Matsui, Y. 1192 Matsukura, S. 355 Matsuo, A. 1562

Matsusaka, T. 168 Matsuzaki, A. 2238 Matsuzaki, O. 2250 Mattii, R. 1701 Mattingly, S. 2640 Matzner, Y. 2413 Maurer, L. H. 1123 Mavligit, G. M. 261, 2185 McCallister, J. A. 2004 McCarthy, W. H. 427, 2731 McCarty, K. S., Jr. 1463, 2463, 2842, 2846, 2851 McCarty, K. S., Sr. 1463, 2463, 2842, 2846, 2851 McCracken, J. D. 1518, 2335 McCullars, G. M. 2566 McDonald, A. D. 1650 McDonald, J. C. 1650 McEwan, C. M. 135 McGovern, V. J. 2731 McGregor, D. H. 200 McGuire, W. L. 2805, 2884 McLain, D. A. 2319 McNamara, C. 1360 Meadows, A. T. 2603 Mebis, J. 1810 Mehta, C. R. 256 Meloni, G. 1319 Menendez-Botet, C. 2682 Menon, P. V. G. 2430 Mercer, W. D. 2859 Meredith, D. J. 1863 Mertelsmann, R. 45, 725 Mesa-Tejada, R. 879 Metter, G. E. 2389 Meyer, J. S. 547, 790 Meyer, R. L. 1349 Micheau, C. 386 Michel, B. 1374 Mierau, G. W. 2035 Miké, V. 139 Milazzo, J. 1992 Miles, G. L. 1676 Millan, J. C. 2203 Miller, A. S. 552 Miller, A. W., III. 64 Miller, D. 45 Miller, D. G. 1307 Miller, H. H. 1945 Miller, R. R. 200 Millis, R. R. 2869 Milner, S. D. 1479 Milojkovic-Mirceta, L. 190 Milton, G. W. 427, 2731 Minato, K. 2472 Mineau, I. 2159 Mineo, T. 2055 Ming-Chai, C. 1661 Mintz, U. 50, 2550 Mir, R. 1422 Mira, J. G. 2557 Misugi, K. 2534 Mitamura, E. 2298 Mitsumoto, H. 1258 Mittelman, A. 1536, 2393 Mittermayer, K. 102 Miyazaki, M. 168 Miyazono, J. 2238

Moertel, C. G. 2149 Molteni, A. 1775 Montagnon, B. 2126 Montague, E. 1, 828, 995 Moon, T. E. 2380 Moore, M. A. S. 725 Moore, T. N. 1518 Morales, R. V. 557 Moran, R. E. 2634 Mori, H. 14 Mori, R. 2238 Morikawa, Y. 2446 Morris-Jones, P. 2603 Morrow, B. 2872 Morse, I. P. 2257 Morton, D. L. 1849 Moskalik, K. G. 2172 Mossler, J. A. 2463, 2846, 2851 Mountain, C. F. 256 Mourali, N. 2741 Mouridsen, H. T. 253 Moylan, J. A. 2463 Mozden, P. J. 647 Muenz, L. R. 2741 Mugerwa, J. 2717 Mukherji, B. 1566, 1759 Mullins, J. D. 522 Mundinger, G. H., Jr. 1492 Munoz, N. 736 Munoz, P. A. 771 Munson, J. 801 Munson, P. J. 2907 Murakami, K. 1562 Murphy, G. P. 2393 Murphy, L. 241 Murphy, M. L. 2577 Murphy, S. G. 1128 Murray, J. L. 1817 Muss, H. B. 34 Musumeci, R. 1887 Myers, J. 233 Myers, R. T. 2671 Myers, T. J. 619, 1418

N

Nagao, K. 2250 Nagatani, T. 2472 Nagoshi, K. 2179 Nakamura, S. 2298 Nakano, Masao, 2179 Nakano, Masayuki, 2179 Nash, C. H., III. 2380 Nash, N. P. 190 Natekar, M. V. 2107 Navas Palacios, J. J. 529 Nawrocki, L. B. 38 Nayak, R. 879 Neblett, D. 1360 Neerhout, R. C. 2571 Neidhart, J. A. 1128 Neiman, R. S. 1636 Nemoto, R. 14 Nemoto, T. 2779 Nenci, I. 1280 Nesbit, M. 516, 1548, 2603 Newburger, A. E. 308 Newell, R. B., Jr. 2697

Nichols, D. E. 2842 Nicholson, R. I. 2765 Nielsen, J. H. 253 Nisce, L. Z. 233 Nishihira, H. 2534 Nishimura, A. 2179 Nishizawa, I. 2373 Nissen, N. I. 654 Nolan, S. P. 2068 Nomura, Y. 2880 Nordal, E. 1291 Nordqvist, S. R. B. 2159 Norris, H. J. 2281 NSABP Investigators, 1, 1009 Nuñez-Roldan, A. 838

(

Obeid, D. A. 1401 O'Bryan, R. 1104 Ocampo-Campos, R. 223 Ochoa, J. 1123 Oechler, H. W. 1572 Oettgen, H. F. 1746, 2577 Ogura, J. H. 1974 Ohaegbulam, S. C. 2322 Ohno, T. 879 Ohtake, S. 2298 Okamura, T. 2179 Okuda, S. 2686 Oldham, R. 2154 Oliver, R. T. D. 2142 Olson, K. B. 2928 Olweny, C. L. M. 2717 Omata, M. 372 O'Neal, R. M. 1868 Onodera, T. 642 Or, R. 2413 Osborne, B. M. 2484 Osborne, C. K. 2884 Osoba, D. 1825 Ostrow, S. 1715 Otim, D. 2717 Oviedo, M. A. 977

p

Pacilli, L. 1319 Pagani, J. J. 1741 Paietta, E. 102 Pajak, T. F. 654 Palacas, C. 87, 2263 Palutke, M. 87 Panahon, A. M. 215 Paolucci, G. 1319 Papa, G. 1735 Papatestas, A. 700 Paridaens, R. 2889 Park, C. H. 570 Parker, J. B. 718 Parker, L. M. 669 Parker, R. G. 1903 Parl, F. F. 362 Parmley, R. T. 1767 Parmley, T. H. 1471 Parwaresch, M. R. 2676 Passe, S. 139, 233, 241 Pasternak, L. R. 2116 Pastore, G. 1319

Patanaphan, V. 1485 Patel, S. B. 1731 Patt. Y. Z. 261 Patterson, R. H. 2074 Pavanelli, T. 1280 Pavlovsky, A. 299 Paxton, A. M. 2142 Pearse, A. G. E. 1146 Pearson, O. H. 2805, 2835 Pecak, A. M. J. 2514 Peckham, J. C. 2421 Pecorari, S. 1280 Pehamberger, H. 1135 Pei-Yu, C. 1661 Pellettiere, E. 1925 Pene, F. 2131 Pennypacker, H. S. 408 Perez, C. A. 508, 516 Pertschuk, L. P. 2896 Peters, R. L. 372 Peterson, B. A. 663 Peterson, C. L. 2116 Pezzimenti, J. F. 1509 Phillips, G. L. 22 Phillips, M. J. 1523 Phillips, T. L. 633 Phoa, C. H. 2369 Pickering, L. K. 1555 Pickett, N. J. 2346 Piffanelli, A. 1280 Pilaski, J. 2770 Pilepich, M. V. 1945 Piligian, J. 87 Pindborg, J. J. 1855 Pinsky, C. 1117, 1746, 2195 Pinsky, S. 1218 Pisi, E. 497 Pittman, D. L. 330 Piver, M. S. 1333 Pizzolo, G. 2640 Polak, J. M. 1146 Pollard, R. 87 Ponticelli, P. 2590 Poon, M-C. 1676 Portlock, C. S. 2093 Posch, J. J., Jr. 831 Prathap, K. 630 Pratt, C. B. 1197, 2520 Prempree, T. 1485, 1631 Presant, C. A. 22, 2389 Preud'homme, J-L. 1753 Priest, J. R. 1548 Prioleau, P. G. 547, 2068 Pritchard, D. J. 516, 1785 Proppe, K. H. 1202 Prosnitz, L. R. 1509 Provisor, D. S. 2004 Przyjemski, C. 1701 Pullen, J. 1098 Purnell, D. M. 480, 488, 500, 685 Puthawala, A. 1360

Q

Quivey, J. M. 633

R

Raam, S. 1781, 2872, 2919 Radzun, H. J. 2676 Raghavan, D. 1187 Rai, K. R. 1422 Rajagopalan, T. R. 2107 Ramanarayanan, M. 879 Rambaud, J-C. 1753 Ramsay, N. K. C. 1548 Rao, B. R. 547, 2902 Rao, M. S. 771 Rao, U. 1345 Ratanatharathorn, V. 87 Ray, B. 2266 Ray, P. 1518 Razek, A. 516 Razi, A. 2315 Recher, G. 1617 Reddy, E. K. 1950 Reddy, J. K. 771 Reddy, S. 1925, 2587 Redmond, C. 1, 908, 1009 Ree. H. J. 1528 Reed, R. 2335 Reese, P. A. 2312 Regee, V. B. 1528 Reid, J. D. 570 Remington, J. H. 1957 Renholds, D. C. 2571 Revesz, G. 933 Rhodes, R. S. 2805 Ribeiro, G. G. 2939 Ricci, C. 2055 Ricci, M. 2590 Rich, M. A. 2794 Richards, F., II. 34 Richart, R. M. 2607, 2617 Richman, C. M. 669 Richter, M. 1919 Ridgway, D. 2571 Rigato, P. 2055 Riley, E. 815 Ritchie, J. L. 1109 Ritter, D. 2100 Rivera, G. 1727 Rivera, H. 223 Rivkin, S. E. 446, 1518 Robboy, S. J. 2019 Robertson, D. I. 2623 Robichaud, K. 1544 Robinson, B. 977 Robitaille, Y. 1608 Rodbard, D. 2907 Rodgers, J. W. 619 Rodgers, R. W. 2349 Rogers, J. S., II. 212 Roguljić, A. 565 Romagnani, S. 2590 Ronan, S. G. 605, 611 Roos, G. 325 Rosai, J. 692, 822 Rosen, P. P. 919, 1298, 1705 Rosenbaum, C. 1781, 2919 Rosenberg, S. A. 1240, 2093 Rosenblatt, J. 2805 Rosenshein, N. B. 1417 Rosenthal, S. N. 1329 Rosito, P. 1319 Rosner, M. C. 50 Rossi, N. P. 1873 Rossi, R. 1280 Rossof, A. H. 1518 Roth, A. 565

Rothenberg, S. P. 471 Rowden, G. 2566 Rubens, R. D. 2922 Rubin, P. 1932 Rubin, R. N. 831, 2168 Ruco, L. 2055 Rumans, L. W. 1581 Rush, B. F. 1992 Russell, A. H. 1903 Rydell, R. E. 118 Rygård, J. 279 Ryo, U. Y. 1218

.

Sachar, D. B. 403 Saddeqi, N. 2322 Saiers, J. H. 2335 Saiki, J. 446, 1518 Sakakida, K. 1562 Salane, M. 2433 Salazar, O. M. 1932 Salmi, T. T. 1795 Salmon, S. E. 2380 Samal, B. 2925, 2932 Sammon, A. M. 2041 Samson, M. 1104, 2335 Samuels, L. D. 2413 Sancho-Garnier, H. 386 Sandberg, A. A. 2221, 2227 Sanerkin, N. G. 178, 1641 Sani, B. P. 2421 Santen, R. J. 1066 Saravane, D. 386 Sasaki, Y. 2534 Sato, E. 1231 Sato, H. 2179 Sato, Y. 2438 Saunders, D. E. 2775, 2794, 2932 Savlov, E. D. 2797 Sawamura, H. 1562 Sawitsky, A. 1422 Saxena, V. 1925 Scanlon, E. F. 977 Scarantino, C. W. 1932 Schain, W. S. 1035 Schaison, G. 1996 Scharifker, D. A. 543 Schein, P. S. 1544, 2014 Schenker, J. G. 2752 Scherstén, T. 71 Scheuer, A. 347 Schipper, H. 1503 Schmidt, D. 2676 Schneider, A. B. 1218 Schneider, R. J. 139 Schnuda, N. D. 1164 Schottenfeld, D. 1705 Schulman, P. 152 Schumacher, H. R. 173 Schwartz, A. D. 1357 Schwartz, M. K. 2682 Schwartz, R. M. 2697 Schwarze, E-W. 2676 Schwarzmeier, J. 102 Schweisguth, O. 2603 Schweitzer, R. J. 1061 Scott, R. M. 1485 Scrivner, D. 790 Scully, R. E. 2019

Sears, M. E. 2928 Seel, D. J. 852 Segaloff, A. 1087, 2930 Seibert, K. 139 Seidman, H. 2736 Seigler, H. F. 1463, 2346 Sekiguchi, K. 1688 Seligman, R. 654 Selikoff, I. J. 2736 Selim, M. A. 2315 Sen, L. 299 Seneca, B. 2797 Senie, R. T. 1705 Seo, I. S. 1146 Sewchand, W. 1485 Shafir, M. 700 Shah, M. K. 433 Shah, S. 212 Shaikh, B. S. 1731 Shamsuddin, A. M. 1479 Sharer, L. 152 Shaw, H. M. 2731 Shear, M. 1855 Shehata, W. M. 1349 Sheikh, K. M. A. 1360 Shevchuk, M. M. 2607, 2617 Shigematsu, H. 2250 Shimada, H. 2534 Shimaoka, K. 1833 Shimosato, Y. 1389, 2438, 2472 Shimoyama, M. 2472 Shimuzu, K. 2446 Shingleton, A. B. 1031 Shingleton, W. W. 1031 Shinohara, N. 2238 Shohat, B. 41 Shullenberger, C. C. 2349 Shwartz, M. 844 Sibala, J. L. 939 Sidhu, G. S. 1152 Siegal, T. 2413 Siiteri, P. K. 2801 Silva, J. S. 2846 Silva-Sousa, M. 508 Silver, R. T. 654 Silverstein, M. N. 29 Simpson, W. J. 1523 Singer, J. W. 1109 Singh, G. 336 Singhakowinta, A. 2775, 2925, 2932 Singla, O. 893 Sinks, L. F. 2566 Sinna, G. A. 325 Sinniah, D. 630 Sischy, B. 1957 Sitelman, A. 2273 Sizaret, P. 736 Skinner, L. G. 2939 Slack, N. H. 2393 Slater, G. 700 Slater, L. M. 1893 Sloane, J. 2640 Slotman, G. J. 1992 Smeraglia, R. 1594 Smith, F. P. 1544, 2014 Smith, H. 403 Smith, J. 595 Smith, J. A., Jr. 1499 Smith, K. L. 2123

Smith, R. G. 2946

Smith, T. L. 438 Snyder, R. E. 950, 1705 Snyderman, R. K. 1053 Sobel, S. H. 1957 Sobue, H. 1688 Soejima, K. 168 Sokal, J. E. 29 Soloway, M. S. 1158 Somasundram, K. 630 Somma, M. 2667 Song, J. Y. 1528 Sonley, M. 621 Sonley, M. J. 1896 Sorensen, S. G. 1109 Sotelo-Avila, C. 77 Sousan, P. 1825 Sovik, C. A. 2550 Spagnolo, D. V. 2702 Spector, B. D. 692 Spiegelman, S. 879 Spurr, C. L. 34, 654 Staib, W. 2770 Stass, S. A. 173 Steele, G. D., Jr. 266 Stein, E. 977 Stein, G. H. 408 Stein, H. 2676 Steinert, H. R. 1962 Stener, B. 1270 Stenn, K. S. 2654 Stephens, R. 2335, 2365 Stephenson, H. S. 408 Stewart, D. J. 1577 Stolbach, L. L. 2919 Stoll, H. 2492 Stolzenbach, G. 2809, 2835 Storm, F. K. 1849 Stowers, S. 1463 Straus, D. J. 233 Straus, M. J. 2634 Strax, P. 926 Strömblad, L-G. 2088 Strong, L. C. 2603 Stuart, J. J. 34 Stuckey, W. J. 2335 Stutzman, L. 215, 654 Sugimachi, K. 168 Sullivan, M. P. 508, 1093, 1098 Sun, T. 152 Susin, M. 152 Sutherland, D. J. 452 Suzuki, M. 2472 Suzuki, T. 2723 Suzuki, Y. 1688 Svenson, E. W. 828 Swaminathan, A. P. 1992 Swenerton, K. D. 438 Swift, M. 815 Swindell, R. 1378 Syed, A. M. N. 1360 Sylvester, R. J. 2889

T

Tabaczka, P. 87 Tabbane, F. 2741 Tabor, E. 736 Taetle, R. 1602 Takahashi, I. 642 Takahashi, Y. 2372 Takenaka, K. 2880 Takenawa, T. 2203 Takita, H. 2416 Tal, J. 2752 Talamo, T. S. 336 Talbot, M. 2100 Talerman, A. 380, 1213 Talreja, D. 1893 Tamai, S. 1389 Tamaoki, N. 2446 Tamura, H. 2686 Tan, C. C. 241 Tanaka, R. 1688 Tang, C-K. 1631 Tang, T. T. 1572 Tanimoto, K. 2298 Tannock, I. F. 452 Tarro, G. 1594 Tashiro, H. 2880 Tatsuta, M. 2686 Tavassoli, F. A. 2281 Taxy, J. B. 2308 Taylor, S. 455, 2365 Teague, P. O. 2859 Tefft, M. 516 Teillet, F. 2126 Teirstein, A. S. 1476 Templeton, A. W. 939 Tepper, J. 1969 Terasaki, P. 2100 Terasawa, T. 1192, 2372 Thakur, A. K. 2907 Thaler, H. T. 241, 2577 Thalinger, A. R. 1329 Thatcher, N. 1324, 1378 Thayer, W. R. 1528 Theodoropoulos, G. 736 Thigpen, T. 446 Thomas, J. A. 2640 Thomas, K. M. 2328 Thompson, D. M. 1523 Thompson, E. 2123 Thorning, D. 1109, 2456 Thorpe, M. E. 1657 Till, J. E. 1825 Timothy, F. E. 1059 Tobe, T. 2709 Tobelem, G. 1996 Tobias, C. A. 633 Tobias, J. S. 669 Tobin, E. 2789, 2896 Todoroki, T. 2179 Tokunaga, M. 1231 Tominaga, T. 642 Tomoda, Y. 2723 Tong, D. 1903 Toomey, F. E. 801 Tormey, D. C. 741 Torres, A. 838 Toti, A. 1280 Totten, J. R. 1456 Trainin, N. 41 Trams, G. 2809, 2835 Treurniet, R. E. 2369 Trevor, E. D. 2648 Triche, T. J. 1428 Trichopoulos, D. 736 Trojanowski, J. Q. 1202 Trujillo, Y. 713

Tschopp, C. 2100

Tsukada, Y. 1833 Tsumuraya, M. 1389 Tsunemoto, H. 2179 Tubiana, M. 2131 Tucker, R. D. 256 Tucker, S. B. 822

U

Uccini, S. 2055 Uderzo, C. 1319 Ueda, H. 2203 Ueki, K. 1688 Ueyama, Y. 2446 Umegaki, Y. 2179 Urban, J. A. 983

V

Vadas, G. 1503 Vaitkevicius, V. K. 1518, 2775, 2925, 2932 Valaitis, J. 713 Valdivieso, M. 261, 463 Vallecillo, L. A. 1910 Van Amburg, A., III. 2389 Vandenbrouck, C. 386 van Gilse, H. A. 2369 Van Heerde, P. 2210 van Nostrand, A. W. P. 1883 Van Unnik, J. A. M. 2210 Vardiman, J. 50 Varela, M. 1590 Vecchi, V. 1319 Velez-Garcia, E. 1919 Venet, L. 930 Vietti, T. 516, 1098 Vigorito, R. D. 1479 Vihko, R. 2162 Vijayammal, P. L. 2430 Villasanta, U. 1631 Vilpo, J. A. 1795 Vincent, R. G. 256 Vinciguerra, V. 152 Viravathana, T. 1962 Vogel, C. 256 Vogler, L. B. 1767 Volenec, F. J. 893 Vollmer, R. T. 1179 Volta, U. 497

W

Waalkes, T. P. 741 Wackenhut, J. 1969 Wada, A. 1192, 2373 Wada, T. 1389, 2372 Wagenfeld, J. H. 1883 Wagner, R. K. 362, 2950 Wahl, D. A. 2859 Wahl, T. M. 2859 Wahren, B. 1802 Wallace, S. 261, 2410 Walsh, D. 215 Walter, R. M. 1174 Walters, D. L. 1555 Wanebo, H. J. 1746 Warner, T. F. C. S. 1146 Watanabe, S. 2438, 2472 Watson, W. S. 2041 Webber, B. L. 1492 Weetman, R. M. 2004 Weil, M. 1996 Weinberg, D. S. 398 Weiner, R. S. 669 Weinerman, R. B. 1503 Weinstein, G. 308 Weise, R. W. 87 Weiss, G. B. 38 Weiss, C. B. 654 Wells, S. A., Jr. 1066, 2846 West, S. G. 330 Wharam, M. D. 2308 Wheeler, M. S. 1411 White, D. R. 34 White, J. 2335 White, M. 2505 Whitehead, V. M. 1913 Whitehouse, J. M. A. 2142 Wiederhold, M. D. 77 Wiernik, P. H. 1715, 2543 Wijst, J. B-v.d. 2369 Wilimas, J. 2123 Wilkinson, W. 2842, 2851 Williams, D. L. 1197 Williams, S. D. 1339, 2154 Wilmeth, S. 2100 Wilson, C. 50 Wilson, H. E. 256 Wilson, R. E. 266, 1722 Winokur, S. 1544 Wise, H. A. 1128

Wittliff, J. L. 2953
Wolfe, J. D. 2648
Wolfe, J. N. 2433
Wolff, L. J. 2571
Wollner, N. 45
Wong, A. 1
Wong, P. P. 1746
Woo, S. Y. 2566
Wood, A. 1727
Wood, B. S. B. 1401
Woodard, B. H. 2842, 2846, 2851
Woodard, E. 2257
Woods, J. E. 1785
Woolley, P. V. 1544, 2014
Wortman, J. 1463
Wrigley, P. F. M. 2142
Wynder, E. L. 899

Y

Yam, L. T. 706 Yamagata, J. 2880 Yamamura, H. 2686 Yanagawa, T. 1562 Yankee, R. A. 669 Yarom, J. 2091 Ydrach, A. 1910 Yeh, S. 2009 Yeole, B. B. 2107 Ying, Y. Y. 1612 Yochmowitz, M. G. 2884 Yoda, Y. 289 Yoshida, L. H. 675 Yoshida, T. 2298 Yoshimoto, Y. 355 Yoshimura, K. 168 Yoshimura, S. 2446 Young, C. 139, 233, 2009 Young, D. C. 1817 Young, P. C. M. 2961 Young, W. G., Jr. 2116

Z

Zamcheck, N. 266 Zanardi, P. 1280 Zauber, A. 1 Zauli, D. 497 Zayid, I. 420 Zimmerman, R. 1802

